RANDI:

Attached is list of addresses for mailing Banking and Financial Services:
The Next Decade break a auch h
for Nancy Hill.

The letters were mailed the week of May 17, 1985.

37 mailed

marked B = bank letter V = vendor letter

Judy 5/28/55

Also attached in lest. for Harry Cleker. 24 mailed

INPUT

PARK 80 PLAZA WEST-1, SADDLE BROOK, NEW JERSEY 07662

(201) 368-9471

ED METZ VICE PRESIDENT ROUTING - REQUEST 12.5.5

Please

READ
HANDLE
APPROVE
BOTH FORWARD
RETURN
RETURN
REPORD DISCARD
REVIEW WITH ME

Date

ROUTING - REQUEST 12.5.5

FORWARD
REVIEW WITH ME

REVIEW WITH ME

From

ROUTING-REQUEST Pad

To File 5.1.70

Label:
FORWARD
REVIEW WITH ME

From

REVIEW BOTH ROUTING-REQUEST Pad

REQUEST PAGE

To File 5.1.70

REQUEST P

May , 1985

Dear

By 1989, the market for financial services will be \$11 billion to banks and financial institutions alone. Because many banks are considering entry into the Information Services Market, INPUT has prepared the enclosed Multiclient Prospectus.

We urge you to carefully consider this multiclient study as a sponsoring client for three reasons.

- o Major banks as IS vendors will be competitive threats.
- o Your participation may allow you to intercept the banks strategies.
- These banks may represent opportunities for strategic partnering.

This study will provide you with a valuable and detailed view of these emerging developments.

As a sponsor you will also receive a detailed, one-day, executive briefing tailored to your specific needs.

We are asking for your participation in this project now so we can commence the research in June, 1985. I will call you later in the week to discuss your involvement.

Sincerely,



May , 1985

Dear

In 1984, the Banking and Finance Industry spent over \$4 billion on information services. INPUT has forecasted this area to continue growing through the end of the decade at an average rate of 23% annually.

We urge you to carefully review the enclosed document. It reveals an important strategic alternative available to Basically, the alternative is to cash in on your existing strength in information systems by entering the information services business.

INPUT is offering this prospectus for a Multiclient Study based on a high level of interest from our existing banking clients. You will receive valuable and detailed insights on the opportunity and how to participate in it.

As a sponsor you will also receive a detailed, one-day, executive briefing tailored to your specific needs.

Since the deadline for sponsorship is June, 1985, I will be calling you later in the week to discuss your involvement. Thank you for your interest.

Sincerely,



Danking We Mailing - Mile V CompuSexue, 2nc., Jeffrey M. Wilkins, ceo 5000 arling for Center 3/12 Columbus, oh 4,220 V Vance Corporation
Lary Willets Mgr. MKT Research, U.S. RP. H. 1700 S. Patterson BLO DAY 704, OH 45479 V. Fice Capacition Injuration 100 = Posterion & Street Prodey, Mgs, Competition andyon Mr. Ray week & Gradey, M. aset VI. Financial dept Dis 513-445-579 402-259 walk Heavy unter, DATRM, OH 45479 V. apo Fetwark Services John Rosta, U.P. MKT @ evelopment 175 Sincken Plaza an auba, MI 48100 V. J. a. O. Smith Componetion

Kennith A. By Rne, Bir, finance 2 Duty

8901 KILDER COURT Brewn Deer, WI 53209 (418) 357-270



Banks

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St. Bank, MN 55/64 0.0. Box 43603 (6/2)29/-5860 (3) B That isnal Bank & Detat Bancop MR. Jon Klinko, V. P. cretait, and 48226 611 Wordward are. B. COMERICA , 41 front Walczyk, V.P. - COCKER, 724 211 W. FORT, (3D)222-9555-48207 (3) B Harring ancorp & DAVE HUBBARD, SR. V.P Chicigo, Sl P.C. Box 755/200 W. Homor, 1944, F. Charge 60690 (312) 461-2121 B Banc One Colymation (644) 463-5866 Columbia, Oh 6129001 3 Na chyan National Copyration Wheel Hell ma 9 B Thatfiel City Commenter, Jakinka Walson, VP. Cleveland, Ok 44135 4100 W. 150th Street (216) 476-5130



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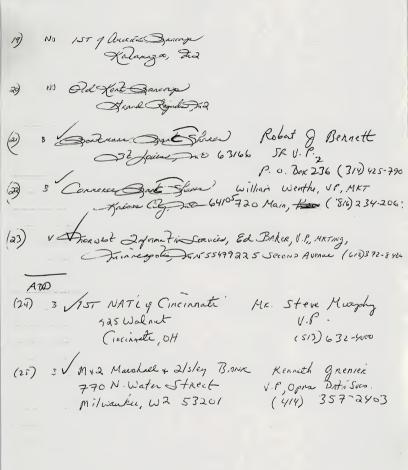
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Roger Edgar, V.P.

1100 Investor allg.

2055 Town

Minnespolis, MN 55402

V. She New Frend Grady, U.P., MKT James Orady, U.P., MKT 1900 Spring Road, Stezus OAK Breach, 22 60521

V. McRonnell Royles Corporation
William C. Winter
325 McRonnell 3/12.
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Chicago, De 60684 (312)875-2731

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V / G Mead Duta Central MR. Jim Mc YRane_
9333 Springbox Ock Dir, MKT Planny +DANCHOPN
Doyton, Oh 45401
(513) 865-6800

1 · CD 57 Systems, 2 mc. Mr. Thomas a McDonall 1004 BALTIMAL Que Sia Chairman / CEO Kansa Colo, 40 64105



/ William Atkinson PResident ARC / AMS 3001 EAST BYPASS BRYAN College STATION +x 77 / William D. PARKER V PRESIDENT Direct Theoporation 4201 Burton Dr. SONTA CLARIT, CA 15054 1 lee Aust 1 ChAIRMAN Felecredit, Die 1901 Avenue of the Start Los Angoles, CA 90067



shis Juguelled may Bayley brookformity. MR. Luther Helms Ex. of Commercial Barking Sea FIRST P.O. BOX 3586 Scattle, WA 98, 24 Lewis H. BONR Chrismon of the Board Bancshares texas American Buncsheren 500 throckmaton FAU WOTH , texas 76102 ED GODYCKi Product Margement department des la fair de la faire d Dave Double 1st Security to MILE GROUPS P.O.BUL 30006 Salt Crac Coly 184125



William Mc FAR ain President Mational FSI, Suc 4501 West Mockingbred Vallas, +x 75209 5/24/85 Dendon letter



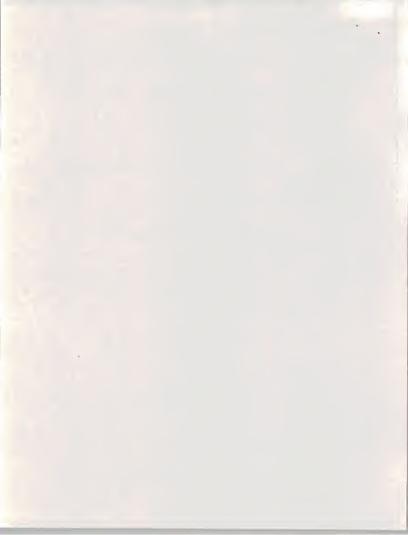
Cover letter & DANKing PROSPECTUS place Sulie NYE Duringmin 405 272-2000 - Attention: Business Deminiment mercas of sing BANK of CKERPEMA, OKLAHOMA CITY P.O. BOX 24128 OKlahona City, OK 73124 DON PRERCY 206 292-3111 de Arketing PIRST Interstate Bonk of withing house of state of State of the state SenTE , Wash 98111 Charyl Sichel of Lyuch 713 658-6247 Hugh BARRETT PROSIDENT CITES German Congress Congress (Jandon Wight P.O. BOX 2307 PRESIDENT P.O. BOX 2387 Houston, tx 77352 206 621-4111 DAVIS J. CARRY Extrap. - JAMES C SEPERIC (x 0) Rance Mationa Banz i sul herit. Party Device Sol, 350, 5568 P.O. Box 2966 Seattle, was thou 801 350-5000 Lotter tordered by 1988 Diest francis Bank of 1.0. Bux 1715 Tyjew) Provs , JAAA FOLOS



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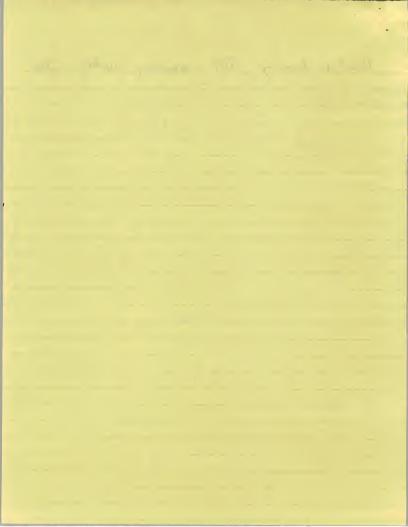
200 17- 1365 509 456-3555 WARRENT W. Lewis SR. Sp NET Seaves GRONG. the national book of washington 1111 3ed Are bedy. Suite 1440 Seattle, WA 98151 TERRALE J. Dobson Ex Up dorsoute Finance Idmin De Matinale Bank of leathing the P.O. BOX 3588 + A Spokence, wish 99220 208 383-7000 James R. Stamery Se my - Mg. Corporate Banking Idaho FIRST Matina Mink P.O. Box 8247 Boise, ID From



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Used to develop GDH mailing WBAN 5/85



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Data Communications Corporation	Т				•	•											•
Data Computing Corporation		T	-	•	_	0			0		-			-	_	•	•
Data Concepts	+-	_	\vdash	-		-	9	-	-				Ė	\vdash		-	4
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Data Counts	9	-		9	9	•	9			9	_	-	9	-			6
Data Courier, Inc.	9				0	9	9	-		0			•	-	-		•
Data Design Associates, Inc.	9		0	0				9			0			_	_		6
Data Directions, Inc.	0	9		_	0					9							6
Data Flow Inc.					0	0				9	•		77				6
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Data Index Incorporated						9	•			9			0	•			0
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Data Management Inc.			0													-	6
Data Marc Inc.						9											6
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Data Systems Corporation						9							_			-	e
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Data Universal Corp.	•									0	•	9					•
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Data-Tax, Inc.						•										•	
Data-Tek Corporation								•		9	9				•	•	0
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Datacom Systems Corporation	Г														•		•	
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Datacor Services Inc.	•	•		Γ				П		•		•					•	
Datacrown Inc.	•			•		0				•						•	•	
Dataflow Systems, Inc.	•	•											•		•	•	•	
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Datalift Corporation	_	┖	L	L		•						_					•	
Dataline Corporation Dataline Systems Ltd										•	•	•	1		1		•	
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Datanex, Inc. Dataplex Company	Ļ	_	_					_	_	_	_	_	_	_			▣	
Dataslink Business Systems, Inc.	•		•	_		_			_	4		_		_	_		•	
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Datatel Inc.	⊢		_	-	•	•				_	_	•	-	_	_	•	•	
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Datronics, Inc.	•	•			-	-	-	-	-	-		\dashv	-	-	-	•		
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Davidson Software Systems	9							-	-		-	-	-		-			
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Decimus Corporation		_			-		\dashv		\dashv	-	+		-	-	-	\dashv	-	
Decision Consultants Inc.	9	•	•	•	\neg	0		•	+	9		•	-	+	-	-	-	
Decision Focus Inc.					•		T		7	1	7	7	•	•	-	•	•	0
Decision Graphics	•																•	(
Decision Products Services, Inc					0			•	7	1	\neg	1	1	1	1	- 1	•	

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	Decision Systems, Inc.				Г										_		•	•
	Decisionex, Inc.																	9
	Decisions Development Inc.										0						•	0
	Del Bron Inc.								9									
٠,	Del Rey Systems, Inc.	9		0	9							9						•
- 4	Del-Data Computer Services			9				•		0		•		•		•	•	•
v	Delphi Associates, Inc.																	•
\sim	Delphi Data Systems, Inc.	•			•	•	•	•		•			•	•				9
	Delphi Systems Inc.							•			9							9
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- 1	Denver Processing Center, Inc.	9		9														0
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	Design Consultants, Inc.								- V			-		Cli V				
	Designers & Builders of Information Systems	9							9		0		0				9	•
V.	DesignWare									9								
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~	Development Systems International		0		•		•	0		9	9		•					•
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L	Digicon Inc.	4_								_	_					_		•
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V	Digital Datacom Inc.	-	9								9		_		_			•
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ν.	Digital Information Systems Corporation (DISC)	-	_							\Box	_				_			
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1	DIMIS, Inc.	-			-				9						-		•	
V	DIRECT, Incorporated	9	\vdash		0	•	9	9	9	9	0	-	-	•	-			-
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INDUSTRY MARKETS COMPANY NAME	TOTAL MANUFACTURING	DISCRETE MANUFACTURING	PROCESS MANUFACTURING	TRANSPORTATION	UTILITIES	BANKING & FINANCE	INSURANCE	MEDICAL & HOSPITAL	EDUCATION	TOTAL DISTRIBUTION	RETAIL DISTRIBUTION	WHOLESALE DISTRIBUTION	TOTAL GOVERNMENT	FEDERAL GOVERNMENT	STATE & LOCAL GOVERNMENT	SERVICES	OTHER
DISC, Inc. AGS						•	•										•
Dispersed Software Systems, Inc. (DSS)	•		•							•	•	•				•	•
Display Data Corporation										•		•					•
Distribution & Retail Systems Division										•							•
Distribution Management Systems, Inc.	•				•					•	•	•					•
Distribution Research Associates, Inc.	•										•						•
Distribution Sciences Inc.	•				•						•						•
Diversified Computer Systems						0		•									•
Diversified Data Resources, Inc.	•			•	•	•	•	•	•	•			•			•	•
Diversified Data Systems Inc.	•	•	•	•		•		•		•	•		•	•	•		•
DOSE Pharmacy Systems								•									•
Dow Jones & Company, Inc.	_					•											•
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Dubuque Data Services Dun and Bradstreet			_				•			_			_	_		•	•
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Duquesne Systems Inc. Dyatron Corporation				9	•	•	•	•	•	-	-	-	•			•	•
Dyer, Wells & Associates	-1-			_		•	•	•		•	•	-	_	_	_		•
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Dylakor Sterling Sfw - Dynalectron Corporation	-	_	_	9	9	•	•	•	•	•	_		•	_	_	•	•
Dynamic Control Corporation	+	_	_	-		_	-		-		-	-	_	•		_	•
Dynamic Data Processing Inc.		-	•	•	•	0	-	-	•	-	-	-	_	-	-	_	•
Dynamic Solutions, Inc.		_	-	-	•	0		•	•		\dashv	-	•			•	•
Dynamicro Software Corp. (DSC)	- 0		-		-			-	-	-	•	-	-	-	-	-	•
Dynamics Research Corporation		-	\dashv	-	\dashv			\dashv	-+	\dashv	9		-	•		_	•
Dynax Resources, Inc.	-H	•	•	-	\dashv	•		•	-	-	9	•	-	•	-	-	-
E/Soft Incorporated	+	-	-	-	-	9	-	-		-	-	-	+	-	+		•
EBS Data Processing Inc.	+	-	-		-	-	\dashv		-			•	-		-	-	
EDP Corporation, The	9	-	-	-	\dashv	-	-	-	\dashv	-	-	-	-	\dashv	-	-	-
EECO Computer Inc.	+	-	-			-	-	-	-	\dashv	-	-	100	-	+	-	
EFT Data Services, Inc. NCR	\top		\dashv	-	-	9	-	-	+	+	+	-	-	-	+	\dashv	-
EMA, Inc.			7	0				\dashv	\dashv	-	-	+	•	\dashv	•	-	•
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ETA International, Inc.		9	-				-	-	7		•	0	+	•	•	\dashv	•
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Ecco Consulting, Inc.	•				\neg	T		•		•	T				•	\dashv	•

INDUSTRY MARKETS COMPANY NAME	FOTAL MANIJEACTI IRING	DISCRETE MANUFACTURING	PROCESS MANUFACTURING	TRANSPORTATION	UTILITIES	BANKING & FINANCE	INSURANCE	MEDICAL & HOSPITAL	EDUCATION	TOTAL DISTRIBUTION	RETAIL DISTRIBUTION	WHOLESALE DISTRIBUTION	TOTAL GOVERNMENT	FEDERAL GOVERNMENT	STATE & LOCAL GOVERNMENT	SERVICES
Econo Data, Inc.	- -	-	-	÷	=	B	=	2	(E)	트	~	=	E	-	x	
Economic Technology Association (ETA)	-	-		•	Щ			_	_	_	_	_		_	_	•
Edu-Ware Services, Inc.		\vdash	-		-		_	\dashv	•		-	-	•	•	_	-
Educational Methods, Inc.		\vdash	-		Н			\dashv	-	3	-		-1		-	_
Edwards, J.D. & Company	+-	-	-		H			-	•		-	-	-		4	•
Electrocon International, Inc.		+		_	9	_	-	\dashv	-	\dashv	-	\dashv	-	\dashv	-	-
Electron Information Systems	9			_			-	\dashv	•		\dashv	-		•	•	-
Electronic Banking Systems	-	-		-	\vdash	0	-	-	-	-	-	-	•	•	•	-
Electronic Data Systems Corporation				_		9	9			-	-	-+	•		•	-
Electronic Tabulating Corporation	+	-	•			-	9	•		-	-	\dashv	-	-	•	\dashv
Elke Corporation				9			-		-1	-	-		\dashv	-	•	
Embassy Institute, The	-		-	Ť	-	9	-	-	\dashv	-	\dashv	-	-+	\dashv	-	
Employee Communication Services Inc.	+	-	_			0	0		-	-		\dashv	-	-	\dashv	-
Endata, Inc.	+-	-		_	0			•	\dashv			•	•	\dashv	-	•
Energy Analysts Inc		1	9					-	\exists		-	╛	-	\dashv	\dashv	
Energy, Inc.					0			\dashv	_	-	_	-	\dashv			-
Enertec Inc.			•	_		٦		0	\exists	-	\exists	_		Ť	-	
Engineering Systems Corporation		0								_		7	_		_	•
Enhansys Inc.								\dashv		_	_	-	_	\dashv	\dashv	-
Enterprise Computer Systems								\neg		7	_	\neg	_		_	
Environmental Systems Research Institute		П								7		7	•			•
Envoy Corporation						0					\neg			\exists		\neg
Epsilon Data Management, Inc.	7			9					0	•	\exists	\neg	7	\neg		\neg
Equifax Inc.	\neg					•	•	\neg				_	\neg	\neg		T
Erisco Inc. THOMAS NAT.						•		•						\neg		
Escom, Inc. ANACOMP		•		•	•	•		•	•	\neg		0			•	0
Essex Corporation	9				•			П	•		T		•	•		
Evans & Sutherland	0			•									•			
Evans, Griffiths & Hart, Inc.						•		•								
Evergreen Geophysical Associates Inc			9													
EXECUCOM Systems Corporation	9			0	9	•	0	_		9	\Box	$_{ m I}$	9	_]		9
Executec Corporation	9					9	9	•		9		J	\Box	\Box		•
Executive Compumetrics, Inc.		0			9	0	•									•
Excter Software Limited										•	_	•				
Exploration Processing Corp.	•		9	_			_	_			_	1		4		
Explorer Seismic Services	9		•	_				_		_	_	_	_			
FBC, Inc.	-		_			•		_	_	4	4	4	1			
Factory Systems	9															

INDUSTRY MARKETS COMPANY NAME	TOTAL MANUFACTURING	DISCRETE MANUFACTURING	PROCESS MANUFACTURING	TRANSPORTATION	UTILITIES	BANKING & FINANCE	INSURANCE	MEDICAL & HOSPITAL	EDUCATION	TOTAL DISTRIBUTION	RETAIL DISTRIBUTION	WHOLESALE DISTRIBUTION	TOTAL GOVERNMENT	FEDERAL GOVERNMENT	STATE & LOCAL GOVERNMENT	SERVICES	OTHER
Fair, Isaac Companies 49 mm (9/82)	T		_	Т						•	•	\vdash		-	-	-	Ė
Fairfield Data Processing	•		•	-	\vdash	+	-	-	-	۳	۳		-		-	-	-
Fall, J.R. & Company Company		+-	Ť	H	-	\vdash	╁	-	-	•	-	_	⊢	-	\vdash	•	-
Far West Systems, Inc.	Ť	†	\vdash	1	H	\vdash		•	_	۳	Η-	_	-	\vdash	-	H	-
Federal Data Corp.	†	\vdash	+-	H		1	\vdash	Ť	-	-	Н	_	•	•	•	\vdash	•
Ferox Microsystems, Inc.	•	\vdash	1	•	1		H		-	-		_	Ť	Ť	F	•	•
Fidler Bateman	T	\vdash	1	_	\vdash	\wedge	-			•			•	\vdash	•	•	•
Fiduciary Processing, Inc.		Т				0							-	-	-	•	
Fields Financial Services .							•				e in						
Figgie Systems Management Group, Inc.	0	•				T						•		_			•
Financial Data Services		Г				•											
Financial Decisions Systems, Inc.	•			0	•	•	•	•	•	0			•			•	
Financial Institution Services, Inc.	0			•		•	•	•								•	•
Financial Interstate Services						•											•
Financial Services, Inc.						9											•
Financial Software Inc.	9				100	•											
Financial Systems Consultants	L			_		9			0	0							
Financial Systems, Inc. Hard (Netracka) \$13.8('84)	L	_	<u>_</u>			0											
Finsery Computer Corporation	9		_	_		•	9	•					•		•		
First City Services Company First Computer Corporation	_	_		_		•			_								•
First Computer Corporation First Computer Services, Inc.	_	_		_	_	0											9
First Data Management Company, Inc.	<u> </u>	<u> </u>	<u>_</u>		_	9				_							9
First Data Management Company, Inc.	_	_	<u> </u>		_	•	9		_	_							9
First Data Resources, Inc. First Financial Management Corporation	_				9			_	_		9		•				•
Five Technologies, Inc.	-	_	_			9	_	_	_		_	_		_			
Fleet Information, Inc.	9			-			-			_		_	_	_	_		•
Fleet Management Systems, Inc.	-	0		0	0	9	-	-	-	-		_	•				•
Florida Software Services, Inc.				9	9	9	-	-			9	9	_	_	_	_	•
Florida State University Computing Center				0	_	9		-	0	-		-	_			-	•
low General, Inc.		9	9	9			-		9	-	-	-	_	9	•	-	
Foothill Associates. Inc.		-	-	-	-	-	-	-	9	-	-	-	-	9	-	_	
Ford & Associates, Inc.	3	-	-		-	-	-	-	+		9	•	-		-	-	•
Foresight, Inc.	9		-	-	-		-	-	-	9	-	-	\dashv	\dashv	+		-
FORTH, Inc.	9		•		\dashv	-	-	-	-	-	+	-		-	-	-	•
Fortune Systems Corporation	•	-		-		•	•	-	•	•	+	\dashv	-	\dashv			-
ox & Geller, Inc.	0				•	•	•	_	_	•	+	-	•	-	-	9	÷
Frey Associates, Inc.			-	-	•	-	-	-	-	-	+	+	-	-	-+	-	÷

INDUSTRY MARKETS	Je Je	URING	RING									TION		Т	NMENT		
COMPANY NAME	TOTAL MANUFACTURING	DISCRETE MANUFACTURING	PROCESS MANUFACTURING	TRANSPORTATION	UTILITIES	BANKING & FINANCE	INSURANCE	MEDICAL & HOSPITAL	EDUCATION	TOTAL DISTRIBUTION	RETAIL DISTRIBUTION	WHOLESALE DISTRIBUTION	TOTAL GOVERNMENT	FEDERAL GOVERNMENT	STATE & LOCAL GOVERNMENT	SERVICES	
	2	ā	PR	E	U	BA	Ž	Z	ED	TO	RE	3	TO	E	ST	SE	8
Frey Federal Systems Corporation													•	П			7
Frey, Donald R. & Co.	_	_							•				•				7
Friesen International, Inc.		Г						•	•								7
FundsNet, Inc.		Г		•							•						1
Fusion Products International	1						9										1
GMD Systems International Inc.										•							1
GT Software, Inc.	1																1
GTE Telenet Communications Corporation						•		•									1
GTECH Corporation										111					•		Ī
Galler Automation Industries Inc.	0			•	•	0	•	•	•	•			•			•	ŀ
Galler Hospitality Systems Inc.	\top														\neg		,
Gamma Systems Services	1				П			•									Ī
Gancom Inc.				•	•			•			\neg		•	•	•	•	i,
Garner Venture Computing	_				П		•				\neg						١,
Garrett Computing Systems Inc.	_				•										\neg		h
Geac, Inc. sus \$10 mm (4/83) Trnky																•	i
GEJAC Incorporated			•		•						_		•		\neg		i,
Gelco Maintenance Systems	\top			•					\neg	•	\neg				-		1
Gellman, Hayward & Partners, Ltd.				•	•		_			•	•				7	•	h
Gemini Business Systems	_						_		_	•	7	•		\dashv	\dashv		h
GENASYS Corporation	_									-	\neg		•	•	•		Ī
Genelco, Inc.					•		•	•		•		\neg	•		-	•	t
General Computer Corporation								•		•					\dashv		ŀ
General Construction Data Systems,Inc											7			\neg	_		ŀ
General Contractor Data Service															\exists	•	1
General Electric CAE International, Inc																•	1
General Electric Information Services Company	9		0			•				9					-	•	4
General Systems Group, Inc.	0	0		0	•	0							•	•			1
Genesee Computer Center, Inc.	9	Ė							-					1	\dashv		1
Genesistems, Inc.															-	•	1
Genesys Software Systems, Inc.				•		•	•	•	•	9							1
Genigraphics Corporation	9	-	-	•		•	•		0	•	\neg					•	4
Geo Data Corporation	0		•						\dashv		\neg			\neg	\neg		-
Geo-Search Seismic Processors	9			_	-	_			-				\neg	\dashv	\dashv		1
Geobased Systems, Inc				•	•				•					•	•		-
Geodynanmics Incorporated									_				\dashv	\neg	\dashv		-
Geographic Systems, Inc.					•	•	•			•	•	•	•	•	\dashv		•
GeoQuest International Inc.			•								\neg			\neg	_	-	6

INDUSTRY MARKETS COMPANY	TOTAL MANUFACTURING	DISCRETE MANUFACTURING	PROCESS MANUFACTURING	TRANSPORTATION	UTILITIES	BANKING & FINANCE	INSURANCE	MEDICAL & HOSPITAL	EDUCATION	TOTAL DISTRIBUTION	RETAIL DISTRIBUTION	WHOLESALE DISTRIBUTION	TOTAL GOVERNMENT	FEDERAL GOVERNMENT	STATE & LOCAL GOVERNMENT	SERVICES	ER
NAME	15	S	18	RA	E	Z	S	量	립	OL	E	Ξ	5	ĒΞ	1	ER	OTHER
	+	-	-	_	=	<u> </u>	=	<	Ξ	T	~	2	=	<u></u>	S	s.	-
Geosource Inc.	•	_	•	L	L			L						L			•
Gerard Systems, Inc.	4	L		L	L.					•		_					•
Gerber Scientific, Inc.	•	L	<u> </u>		_			L				_		_			•
GESCO Corporation Gifford Fong Associates			-		_	•								_			•
Gilbert Associates Inc.	1	-	_	L	L	•	•				Ļ.						•
Global Computer Systems, Inc.		9	9	_	•		•		9		•		•	_			•
Global Data Corporation	9	•		_	_	_				•		L.		_		9	•
		-	_	Ļ	_	-		9		•	_		•				•
Global Software STC Goal Systems International Inc	+	•	•	9	•		•	•	_		•	•		•	•		•
Goldbrick Inc.		-	_	•	0	•	•	•	▣	•	_		•			•	•
Gottfried Consultants	+-	-	-	_	_	Ļ	Н	_		Щ	_			_		•	•
Grameo Inc.	•		_	_	•	•		9	▣	_	_	_		_			•
Graphic Arts Data Service		0	-	-	-	_	Н	•		_	_	•		_		•	•
Graphic Software Systems	0	•	-	-	_	•	Н	•	•		_			_		_	9
Graphics Concepts, Inc.	9	9			-	•		•	9				9	_			
Graphics Technology Corporation (Graftek)		9	9		-	•				-			-	0		_	•
Great Lakes Information Systems Ltd.	9		-	-	-		-	_			-	-					•
Great Plains Software, Inc.		-	-	•	-	9	0	•	•	•	_			_			•
Greer Sontag Associates Inc.	+-	\vdash	-	-	-	0	•	•	•	•	_		9	_	Н	•	•
Group Operations, Inc.	9	-	-			9	9	0	•					0		9	•
Grumman Data Systems Corporation	-	-	-	•	-		9	•	-	•	_	_	•	•		9	•
Gull Resources Management Systems, Inc	+			-	-	-	9	-	-	-	_		_	_	_	-	
Gulley Computer Associates	+	-	-			-	Н		-1	-		_				-	9
H & A Computer Systems, Inc.	+-	-	-	-	_			-		\dashv	-	_	-			-	9
H & W Computer Systems		-	-	•	0	9	0	9	0		-		9			•	9
HAI Computer Services	+-	-	-	Ť	-		•	9	-	-	-	-	•		-	-	9
HBO & Company	+-	-	-		-	-		9		\dashv	-	-	-	-		-	
HBS Information Systems, Inc.		9	9	-		-	-	-		-	-	9			-	-	9
Hadron Inc.	+			0						-		-		•	9	9	0
Hal Systems & Services	+		0	-			0	-	-				-	-	-	0	0
Hale Systems, Inc.					•	0		\dashv	-	\dashv	-		\dashv		-	-	9
Hallahan, G.W. and Co Inc.								\dashv	\dashv	3			\dashv			+	9
Hancock-Dikewood Services Inc.							0	9					•		9	-	0
Haney Group, Inc.							9		\exists		9					-	0
Harfax Database Publishing	9			0		9	9					\exists	9		9	1	9
Harris Data Service Inc.		m						1		0	•	•				9	
Harris Information Systems, Systems, Inc.											0		-		-	\rightarrow	-

INDUSTRY MARKETS COMPANY NAME	TOTAL MANUFACTURING	DISCRETE MANUFACTURING	PROCESS MANUFACTURING	TRANSPORTATION	UTILITIES	BANKING & FINANCE	INSURANCE	MEDICAL & HOSPITAL	EDUCATION	TOTAL DISTRIBUTION	RETAIL DISTRIBUTION	WHOLESALE DISTRIBUTION	TOTAL GOVERNMENT	FEDERAL GOVERNMENT	STATE & LOCAL GOVERNMENT	SERVICES	OTHER
Harris Laboratories, Inc.						•											•
Harris Publishing Company	т	•			Н	Ť			\exists				_	\vdash	П		-
Harris Technical Systems, Inc.	T	_		_						-	_	-				П	•
Harris Technology Group, Inc. \$14 mm (6/74		_	\vdash	\vdash		•	-		-	_	-	-				Н	6
Hart Systems Inc.		$\overline{}$	_			-				•	•	_	_	Н	~		
Hartley Data Service, Inc.		_		_			0			•	-	\neg			П		•
Haverly Systems, Inc.			•	•		•			•				•	•	•	•	•
Hayden Publishing Software	\vdash									_	•		Ť	-			•
Health Information Systems, Inc.								9			-		_	\dashv			a
Health Systems Institute of Maine	1		-		Н	_	_			-	-	\dashv	•	-	\Box	-	
Heineck Associates, Inc.	9							-			-	\neg	Ť			0	
Helm Data Processing Inc.					Н		\neg	-1			-	•	-			Ť	•
Hemenway Corporation			•					_	-	-	\dashv	-	\neg		\vdash	-	a
Henry, Jack & Associates				-	\vdash			-	-	\dashv		-	-	\dashv			
Heritage Computer Corporation	\vdash				Н	-	•		\dashv	-	\dashv	-	-	\dashv	\exists	-	9
Heuristic DataSystems, Inc.	9	•			-		-	-	-	-	\dashv	\dashv			\exists	\exists	9
High Technology Software Products, Inc		-	-	_		-	-	9	•	•	-	\dashv	\dashv	\dashv	\vdash	•	•
Higley & Company, Inc.		0	•				\dashv	-	-	•	-	•	-	\neg	-	-	
Hilltop Enterprises, Inc.	П		_	_				•	_	-		•		\neg	\neg		
Hogan Systems, Inc.	\vdash						-	-		-	-	-	\dashv	-	\exists	\neg	
Holland Systems Corporation				•	•		•	7	•	•	\neg	-	•	\dashv		•	
Holmes & Shaw Inc.				•	-	-	-	-	-	-		•	Ť	\dashv	\dashv	-	9
Honeywell Inc.				•	9	•	•	•	9	•		-	•			\dashv	
Horizon Software Systems	0			-	-	-	-	-	-	•	-	-	Ť	\dashv	\dashv	\dashv	
Hospital Data Services		\dashv			\dashv	-	-	•	_	-	\dashv	\dashv	\dashv	-	\dashv	\dashv	•
Hotze, James B. Company	H	-	\dashv	\dashv	\dashv	•	\dashv	-	\dashv	\dashv	-	\dashv	\dashv	\dashv	\dashv	•	-
Houghton Mifflin Company	•	•	\dashv	\neg	\neg	-	\dashv	\dashv		\dashv	\dashv	\dashv	\dashv	\dashv	\neg	-	
Houston Data Center Inc.		•		0	\dashv	7	\neg	9		\dashv	9	•	_	\dashv	\dashv	9	0
Houston Engineering Research Corporation	\vdash	Ť	•		•	\dashv	-	-	+	-	-	-	\dashv	\dashv	\dashv	Ť	
Houston Information Systems Inc 44mm						•	1			-		1		-	-		
Houston Processors, Inc.		-	•		-	-	-	\dashv	_		-+	\dashv	-	\dashv	\dashv	\dashv	0
Hurd, Nicholas N. Inc.			-				\neg				\neg	-1	-	\dashv	-	-	•
I-Concepts, Inc.		\neg	_	***	_	7	•	-	-	•	\neg	\neg		\dashv	\dashv		0
IBM Information Network		•	-	•	-			7	7	7	-+	+	\dashv	\neg	\dashv		•
ICS Group						•	\neg	_	\neg		\dashv		\neg	\neg	\dashv	\dashv	•
IE Systems					\neg	\neg	\dashv		_	\neg	1	_	_	\neg	7		•
IFA Computer Services Inc.	•	\neg	•	_	7		•	7	T	_	_	+	\dashv	\dashv	+		•
III Systems, Inc.	\vdash	\neg			\neg	•	-	-	\dashv		-	_	\dashv	-	\dashv	\dashv	-

INDUSTRY MARKETS COMPANY NAME	TOTAL MANUFACTURING	DISCRETE MANUFACTURING	PROCESS MANUFACTURING	TRANSPORTATION	UTILITIES	BANKING & FINANCE	INSURANCE	MEDICAL & HOSPITAL	EDUCATION	TOTAL DISTRIBUTION	RETAIL DISTRIBUTION	WHOLESALE DISTRIBUTION	TOTAL GOVERNMENT	FEDERAL GOVERNMENT	STATE & LOCAL GOVERNMENT	SERVICES	OTHER
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IMI Health Systems Corporation Applications Inc.		┞-	_	_	L	L		•									•
IMI Systems	•	┖	L		•										•		•
IMS Systems Corporation	-	_	L.		•		9	•					9				•
IPL, Inc.	9	_	_			_											•
ISI Systems, Inc. ITT Dialcom, Inc.	-	-		<u> </u>		_											•
I I I Dialcom, Inc.		-				•	0			9			9				•
Illinois Micro Inc	•	-	_	9	9	•	9	•	•	•			•			9	•
Image Sciences, Inc.	-			_	_			•									
	9	_					9	1				11/	9	•		NI I	•
Imaging & Graphics Division of Gould, Inc.	9	•	•					•		_	_						•
Impact Systems		•	•	ш		L				_	_			\perp			•
Incepts, Inc. INCO Inc.	_				_	_	0		_	_							•
Indecon Inc.		L	_								_	_		•			•
Indecon Inc. Independent Computer Systems, Inc. (ICS)	•	•	•		_	<u>_</u>					_						9
Independent Computer Systems, Inc. (ICS) Independent Tax Corporation (ITC)	-	_								0	_	0					
Index Systems Inc.		-							_							•	0
Industrial Programming, Inc.		•				9	•	•	_	9	_			_		_	9
Industrial Programming, Inc. Info Systems of N.C., Inc.		Ļ								_	_	_		_		_	•
Info-Pros. Inc.			•		•	•		9		9	•	•				•	•
INFOCEL Incorporated		_		9	9	9	9	•		•	_		_	_	_	•	•
Infodata Systems Inc.		_			9			_	•	_	_	_	9	_	•		•
Infographics Inc.	+	-	_	_					_	_		_	_			_	0
Infomed	-	<u> </u>		_	_	0	_	_	_		_	_	0			_	•
Informata Landex Systems	+	-		_	_		_	9	_	_	_	_	_	_	_	_	•
Informatics General Corporation		_		_	_		9	-	_	_	_	_	_	_	_	_	•
Information Access Co.	9		-	-	_	_	•	_	_	0	_	_	0	_	_	•	
Information Automation, Inc.	9		-		-		-	_	4	4	4		_		_		
Information Builders, Inc.	9		-	0			_	-		_	_	_		4	_		•
Information Management International \$ 12 mm (2/1	-		-	9	9	9	3	9	9	9	-	4	9		_	•	•
Information Management Technologies	3/	9	9	9	-	0	9	9	-4				9	•	0	_	9
Information People, The	-	•	4	9	9	49	-		-	9	•	0	9	-	•		•
Information Plus, Inc.			9		2	-	-	9	9	9	-	-	9	9	•	•	9
Information Processing Corporation	0	0	0	-	9		+	-	-	-	+	-	•	-	-	4	•
Information Processing Inc.	-	-	-	-	-	-	-	-+		-	-	-	9	-	9	-	9
Information Research Associates	-		\dashv	-	-	-	-	-	0	-+	-	+	•	•		-	9
Information Resources Ltd.		-	-	-	-	-	-	+			9		9	-	-	-	-
Information Resources, Inc.	9			-	-		_	_		9	-	•	_	_	_		•

	INDUSTRY Markets	ACTURING	DISCRETE MANUFACTURING	UFACTURING	NOL		NANCE		OSPITAL		SUTION	BUTION	ISTRIBUTION	NMENT	ERNMENT	STATE & LOCAL GOVERNMENT		
	COMPANY NAME	TOTAL MANUFACTURING	DISCRETE MAI	PROCESS MANUFACTURING	TRANSPORTATION	UTILITIES	BANKING & FINANCE	INSURANCE	MEDICAL & HOSPITAL	EDUCATION	TOTAL DISTRIBUTION	RETAIL DISTRIBUTION	WHOLESALE DISTRIBUTION	TOTAL GOVERNMENT	FEDERAL GOVERNMENT	STATE & LOCA	SERVICES	OTHER
×	Information Science Incorporated (InSci) FSL	+-	-	-	È	-			-	-		F		<u>`</u>	F	5.	٠.	٠
V	Information Systems Investment Corporation				•	•	•	-	•	•	•			•		-	•	9
Ì	Information Systems Inc.	-	•		-	-	-	-	_	_	_	-	Н	•	-	-	-	1
X	Information Systems of America, Inc. (ISA)		ř		-	-		•	•		•	-	\vdash			-	-	ŀ
X.	Information Technology, Inc.	Ť		-				Ü	Ĕ	-	-			-	-		-	ľ
X	Inforware Systems, Inc. (ISI)	+			-			-			9	•	•		_	-	•	1
`	Infoservices, Inc.					-	Ť				-	Ť	Ť				Ť	1
ı	Infotec Development Inc.	+-			_	\vdash					-		Н	•				1
- 1	Infotecs, Inc.	•		•	-	_		9	F	-					Ť		•	1
ı	Innovation Data Processing, Inc.	•				0		-	-						-		Ť	1
. [Innovative Software, Inc.	\top				_								_	_		_	t
×	Innovative Systems, Inc.					_	0			•			П		_			1
. 1	Input Output Computer Services	1			-			_						•			•	1
X,	Input Services, Inc.		9			0	•						9		$\overline{}$	П		1
- [Insight Software Systems	0																1
[Inslaw, Inc.											-						1
1	Institutional Networks Corporation (INSTINET)						9											1
- [Insurance Information, Inc.							•										1
	Insurance Network Systems, Inc.							9										1
	Insurance Publishing and Computers, Inc.							9										1
	Insurance Servicing & Information Systems Corp.							9	9						9			1
	Integral Business Computing, Inc.	9	•								•							1
٧.	Integral Systems, Inc. \$8.5 mm (E) 12/83	9			0		9		•									1
4	Integrated Automation Inc.		9	•	0		•				•	•	•	•		•	•	1
7	Integrated Computer Applications				•		•	9										1
	Integrated Computer Systems, Inc.	9									•						•	1
-[Integrated Computer Software, Inc.																	Ī
I	Integrated Computer Systems, Inc.																•	1
	Integrated Microcomputer Systems, Inc.													•				1
2	Integrated Office Concepts Inc.	9		0		9	0	•	9		•			•				ľ
S	Integrated Software Systems Corporation (ISSCO)				0	9	9	9	•	9	9			•	•		•	1
~	Integrated Systems Group, Inc.						9				9		•	•		•	9	1
,	Integrated Systems Management	-	_		_		_	_	9		9	•	•					Ľ
4	Integrity Solutions, Inc.				•	9	9	0		•				•	•			Ŀ
-	Intellectron Incorporated	-					_		•				_		_			ŀ
	IntelliCorp Intellidata Incorporated	•		•				_		9					•		_	1
								9									•	1

	INDUSTRY MARKETS COMPANY NAME		TOTAL MANOFACTURING	DISCRETE MANUFACTURING	PROCESS MANUFACTURING	TRANSPORTATION	UTILITIES	BANKING & FINANCE	INSURANCE	MEDICAL & HOSPITAL	EDUCATION	TOTAL DISTRIBUTION	RETAIL DISTRIBUTION	WHOLESALE DISTRIBUTION	TOTAL GOVERNMENT	FEDERAL GOVERNMENT	STATE & LOCAL GOVERNMENT	SERVICES	OTHER	
	Intelligent Systems Corp.		,	╗								•							•	
	Interactive Applications, Inc.	1	1	•		_		┪		_			\neg		-			_		
1	Interactive Computer Enterprises Inc.	6	,	7	П				•	•		_	•						•	
٧	Interactive Data Corporation & HASE	•	1	7				•	•	-					•				•	
Y	Interactive Data Services, Inc. 4	\top	1	1				•	•	-					•	•	•	•	•	
ı	Interactive Information Systems, Inc.	•) (9			_												•	
[Interactive Information System Inc.		T	7									•	•		\neg	•		•	
],	Interactive Logic Inc.		1	7			_								•	\neg		•	•	
ч	Interactive Marketing Systems (IMS)		1	7	\neg		•	•	•	•	•	•			•	7		•	•	
٧	Interactive Software Systems Inc.	9	1	•	•	\neg		•		•				_				•	•	
	Interactive Software, Inc.		T	1	•														•	
I	Interactive System Corporation		Τ				•						T	-	•	ヿ	\neg		•	
٧	INTERACTIVE Systems Corporation 10.3 mm (\$182) e				•	•	•	•	•	•	•	\neg		•			•	•	
	Interactive, Incorporated		_									•		•					•	-(
-	Intergraph Corporation		1	•	•		•									•			•	
1	Intermetrics, Inc.	•		•	•											•			•	
ı	Intermountain Health Care, Inc.		Ι							•		П					П		•	
4	International Business Machines	•	1			•	•	•	•							•			•	
Į	International Business Services Inc.		L									T		T	•	•	•		•	
L	International Computaprint Corporation		Ŀ				•					_		П	•	•			•	
1	International Computer Systems, Inc.		-	_	•		•								•	•			•	
ŀ	International Computing System	•	1	1	•														•	
ا	International Data Processing, Inc.	1	1	1	_				•	•								П	•	
۲	International Environment Research, Inc. (IER)	4-	1	4	4	_	_	•		_	_			\Box		\Box		•	•	
ŀ	International Micro Systems Inc.	9	1	1	4	_	_	\perp			•		•	•				•	•	
1	Interpretive Data Systems Interpretive Data Systems		1	1	4	_	4		\perp	•										
4	Interpretive Data Systems Interprocess Systems, Inc.	-	1			_	_		_	•	1	_	1				\Box		•	
-	Intertec Diversified Systems, Inc.	9	9	-	9	•	•	•	0	-	9	4	4	4	•	•	•	•	•	
1	Investment Computer Services Inc	9	4	4	+	0	•				_	_	1	4	_	1			•	
1	JBS Associates, Inc.	9	+	+	+	9	9	•	•	9	9	•	_	-	•	4	4	•		
1	Jackson Seismic Processing, Inc.	9	+	+		+	4	-	-	-	-	-	3	+	4	+	4	_	•	
1	Jacobs, Thomas L. & Associates	9	+	+	+	+	-	-	•		+	+	+	-	-	4	+	4	•	
1	Jacobsen & Associates		4		9	+	-	-	-	-	+	+	+	+	+	+	4	4	-	
	James, Fred S. and Company		۲	+	_		•	+	•	•	+	•	+	-1.	•	•	•		-	
	Johnston, Brown & Associates, Inc. (JBA)	0	•	1		-	9	-		-	-	•	+	+	-	-	-	-	•	
	Jones/Hosplex Systems, Inc.	+ -	1	+	1	+	-	+		•	+	+	+	+	+	+	+	+		F
	KGA Engineering Inc.		+	+	+	+	\dashv	-	+	-	-	•	+	+	+	+	+	+		1

X	INDUSTRY MARKETS COMPANY NAME	TOTAL MANUFACTURING	DISCRETE MANUFACTURING	PROCESS MANUFACTURING	TRANSPORTATION	UTILITIES	BANKING & FINANCE	_	MEDICAL & HOSPITAL	$\overline{}$	TOTAL DISTRIBUTION	RETAIL DISTRIBUTION	WHOLESALE DISTRIBUTION	TOTAL GOVERNMENT	FEDERAL GOVERNMENT	STATE & LOCAL GOVERNMENT	SERVICES	OTHER
′′	K.H. Little, Inc.	•	•	•	•	•	•	•	•	•	_		_				•	•
٠,	Kappa Systems Inc.		_							_				•	•	•	•	•
X	Kates Komputers						•				_		_					•
~	Keane, Inc.	•	_			•	•	•	•	_		_	_		_	_		•
7.	Kearney, A.T.	•			•	•	•	•	•	•	•				•		•	•
V	Kebert Corporation	•	L.					•			_	\Box	_				•	•
	Kencom, Inc.			Ļ			•						_					•
~	Kennedy & Coe	0		•	•	•	•	•	•	•	•	•	_	•		•	•	•
V	Kentron International Inc.		_		•	•			_	_			_	•	•	•	•	•
V	Key Data Services Inc.	_		Ļ			•		_	_	_	_	_				_	•
~	Key Management Inc.	•	L	•	•		•		•		•		•	•		•	_	•
<u></u>	Keydata Corporation	0	Ш					L.,			•		•					9
.71	Keystone Computer Associates Inc.		<u></u>				•							•	•			•
2	Kimbrough Computer Sales, Inc.		_			•	•	•	•				•			Ш	•	•
~	Kirchman Corporation		_	Щ			•				_		_				_	•
- 1	Knuth Computer Services Inc		_		•	•			_		_	_	-				•	•
-	Krell Software Corp		Ļ			_			_	9			_		_		_	•
	Krohm International, Ltd	•	9	_		_		_	_	_			_		_		_	9
V	L.N.K. Corporation		<u> </u>			_	_	_	_	•	_		-	•	•		_	•
- 7	LCS Data Processing Inc. LCS Industries, Inc.	_	Ļ				•	_		-	_		_				_	•
^		•		9	•		•	0		_		0	•	-			•	•
- 1	Laidlaw, Richard E. Inc. LAN Systems, Inc.		_	_		_					0	•	•	_	-			•
X	LAN Systems, Inc. Landart Systems, Inc.	•	9				•				•	9	•		•		_	9
- 4	Latron Computer Systems, Inc.		-			•	•		-		_	0		•	•		•	-
-	Lawson Associates	0	-					-	-	-		9	-		-		-	
		9				9				-	•						•	9
	Leading Software Technologies Corp. Learmonth & Burchett Management Systems Inc (LBMS)	-	-						_	_	-					\blacksquare	_	
ŀ	Learning Company, The		-	-	-	-		-	-		-	-		•		\vdash	-	
	Legal Data Systems, Inc.	_	-	-		-	_	_	-	-			-	-	_			
1	Levi, Ray & Shoup Inc.	9				9				-							-	
X	Lifeboat Associates Inc.	9	9		9			0		9		-	-					
1	Lifetree Software, Inc.	-	-		-	-		-	-	-	-	-		-		\vdash	-	
V	Link Systems	0					•	•				9	•		•	•	•	-
X	Link X, Inc.	_	-	-				-	-	-				Ť	-	Ť		•
X	LINKWARE Corp.				-		•	•		-								•
	Linton Shafer & Co.						Ť	-		\dashv					÷	\vdash	•	•
X,	List Processing Company, Inc.						•	•	-		•		•	•	•	•	-	•
1	List Processing Company, Inc.	9				9	•	•			•		9	•	9	•		

9	_	_	_	_	_	_	_			_	_	_				_	
INDUSTRY MARKETS COMPANY NAME	TOTAL MANUFACTURING	DISCRETE MANUFACTURING	PROCESS MANUFACTURING	TRANSPORTATION	UTILITIES	BANKING & FINANCE	INSURANCE	MEDICAL & HOSPITAL	EDUCATION	TOTAL DISTRIBUTION	RETAIL DISTRIBUTION	WHOLESALE DISTRIBUTION	TOTAL GOVERNMENT	FEDERAL GOVERNMENT	STATE & LOCAL GOVERNMENT	SERVICES	OTHER
Little, Arthur D., Inc.	•	П	П	Г	Г			•					•	•	•		
Litton Computer Services		1	✝	+	•	H	\vdash	-		Н	_	_	Ľ	•	-	•	
Litton Computer Services		•	•	1	Ť		Н			•	•		-	•	Н	=	-
Lockheed Dataplan Inc.	+	Ť	1		\vdash	Ť	Н		-	-	-	-			Н		÷
Lockwood Association Inc, The	•	+-	•	Ť	+			\dashv	-	•	•	•	-			-	H
Logic Inc.	Ť	╆	Ť	\vdash		-	9	-	-	ä	_	_					H
Logical Data Management		1	1		1	•	Ť	-	•	•	•	•				•	H
Logicon Inc.	1	+-	\vdash	Ť	_	-			-	-	-	÷	•			H	7
Logistics Systems												-	ij				
Lomas & Nettleton Information Systems, Inc. \$ 6 mm	+	_	1		\vdash	0		-		-		-	-	-		-	Ħ
Loris Data Associates Inc.	•					7	\dashv	\dashv	-	-	\dashv	\dashv	•	Н	•	-	H
Lotus Development Corporation	•		\vdash	$\overline{}$		•		-	\dashv	•	\dashv	-	ŭ		ŭ	\dashv	
Loud Consulting Corporation, The	T		1			•	•			Ť	-	-	Н	-	-		•
Louisiana Companies - Computer Services Division						•	•	\dashv			-	\dashv	-	-	-	-	-
Lowenthal Programming Corporation			_				•	_	\neg	-	\dashv	\dashv	\neg	\dashv	\dashv	\dashv	-
Lundy Electronic & Systems, Inc.						•								-	-	-	
Lupfer & Long, Inc.	1							-	_	7		-	-	\neg	\dashv	-	-
Lynch Data Processing		_	_				_	_	\dashv			-		\dashv	\dashv	•	•
M/A-COM Sigma Data, Inc.								7	_	-	\neg	-	•	•	-	•	•
MBS Software					9		\dashv	_	+	9		•	•	•	\dashv	•	•
MC Software, Inc.		0	•				_	_	-	-	9	•	-	-	-		•
MCRB Service Bureau							9	_	_	0	-	-		-	-	-	-
MCT Information Systems, Inc.						\neg	9	0	•		\dashv	-	-	-	+		-
MD-Dexel Systems Corp.							_	+	7		-	_		-	\dashv	-	-
MDC Systems Corp.	•			•	•	•	0	•	•	•	_	_		-	-		•
MDS Lawtime								1	7	_	-	_	-	-	-+	•	•
MDS Soft Pro System							7	\neg	7	7	_	-	_	-	\dashv	9	•
MDS, Inc.						0			1	7	7				-		-
MHT Services Inc.											1	7		7	\neg	\dashv	•
MIPS Software Development Inc.		0	0	9	0		0	0	9	0	\neg		9	1	\neg	0	•
MIS Associates	0							1	9	9	1				1	1	0
MIS, Inc.	9			\Box	9		9	0	•	9				7	9	•	•
MJK Associates						9											•
MNC International, Inc. Micro Network Division	9			0		0				9					7		0
MPSI Systems Inc.			•			9		\Box			•				1	9	•
MRM, Inc.	9	•	9						\Box				J				•
MVSE Software		_	_	_		9					\perp						•
INI V SE SOITWARE								1	9		•	•	T		T	7	•

INDUSTRY MARKETS		Š.	9									Z		T	IENT		
WARRELD	FACTURING	NIFACTURI	MUFACTURIN	LION		INANCE		OSPITAL		BUTION	IBLITION	DISTRIBUTE	NMENT	ERNMENT	AL GOVERNA		
COMPANY NAME	TOTAL MANUFACTURING	DISCRETE MANUFACTURING	PROCESS MANUFACTURING	TRANSPORTATION	UTILITIES	BANKING & FINANCE	INSURANCE	MEDICAL & HOSPITAL	EDUCATION	TOTAL DISTRIBUTION	RETAIL DISTRIBUTION	WHOLESALE DISTRIBITION	TOTAL GOVERNMENT	FEDERAL GOVERNMENT	STATE & LOCAL GOVERNMENT	SERVICES	OTHER
MacDonald Computer Systems								•		•							•
MacNeal-Schwendler Corporation	•	•	•						•			\neg	•	\neg			•
Macro Corporation	•		•		•												•
Madic Corporation	9							_									•
Magnum Communications, Ltd. 320 Interstate N. Pkwy.										•	•						•
Mainstem Corporation				9	•										•		•
Mamaba Inc.		9	•														•
Management & Computer Services Inc.	9			•		•	•	•		•			•			•	•
Management Computer Services, Inc.												•					•
Management Computer Controls, Inc.																	•
Management Consultant Resource Group	9	•	•							9						9	
Management Cybernetics International							9										•
Management Data Communications Corporation	0							0		•	•	•				•	
Management Data Systems Inc.			0			•		•									•
Management Decision Systems, Inc.	0					9	•			•						•	
Management Design Associates				•	9	•	9	•	•	•		-	•			•	
Management Directions Inc.	9							-	-	•	•		4		-	•	•
Management Information Systems Group, Inc. (MISG)	Ļ		_				-		_	-	0	•					9
Management Science America, Inc.	9			•		•	•	•	•	•	•	•	•	•	9	•	•
Management Sciences, Inc.	9	9	0	0	9		-	_	-	-	_		•	-		-	0
Management Systems Associates		_						9	-	-			4			_	•
Management Systems Of Wausau, Inc.	-	_	_					9	-	-		-	-	\vdash			6
Management Techniques, Inc.	0	Ļ	Ļ	Ļ	_		_	_	-	•		_	_			_	9
Manager Software Products Inc.	0	9	9	•	•	•	9	•	-	•	9	•	•	•		•	
Mandalla Information Systems	1	_	_							_				-			0
Mann Data Inc.	9	_						_	-	•		•		-			
Mann, Charles & Associates Micro Software Division	-	_	_				-	•	-	-	_	\vdash		-		_	-
Mantissa Corporation	0	-	_	_			-	-	0	-		-	-	9	•		•
Manufacturing and Consulting Services Inc (MCS)	9	-		-						-				-	-		•
Manufacturing Data Systems, Inc.	9	•	9	-		-		-		-		-	_	-	-		-
Manufacturing Education Services, Inc	9	0		-		\vdash	\vdash	-							-		
Manufacturing Management Systems, Inc Manufacturing Solutions & Systems Inc.	9	0					-	-	-	-				-			
	9	9	-	-	H	\vdash	-	-	-	0			•	-		•	•
MANUS Services Corporation Marathon Management Systems, Inc.	+	-	-		H	-	-		-	-		-	Ť			-	•
Marathon Management Systems, Inc. MARC Software International, Inc.		\vdash	\vdash	•					9				0				•
Marcam Data Systems Corporation	9	-	-	-	-			-	-				-		-		-
Marchbanks and Parker, Inc.	+-		-		Н						•	•				-	
Marchbanks and rarker, Inc.							1		1	•		_		1	1		

INDUSTRY MARKETS COMPANY NAME	TOTAL MANUFACTURING	DISCRETE MANUFACTURING	PROCESS MANUFACTURING	TRANSPORTATION	UTILITIES	BANKING & FINANCE	INSURANCE	MEDICAL & HOSPITAL	EDUCATION	TOTAL DISTRIBUTION	RETAIL DISTRIBUTION	WHOLESALE DISTRIBUTION	TOTAL GOVERNMENT	FEDERAL GOVERNMENT	STATE & LOCAL GOVERNMENT	SERVICES	ОТНЕК
Marcoin Business Management Services, Corp										•	•						•
Mariposa Corporation	•				_	•	Г			•			•			•	•
Maritime Computer Corporation	•		•	•			•	Г									•
Mark Williams Company	•									0						•	•
Market Data Systems, Inc.	•					•	•										•
Marketing and Systems Development Corp., The	•			•	•	•	•	•	•				•			•	•
Marshall and Stevens Incorporated	•	L				•		•								•	•
Marshall and Swift Publication Company	\perp	上	_				•	_									•
Martel Laboratories, Inc.					9									•	•		•
Martin and Stern Inc.	•	•						_					•	•			•
Martin Marietta Data Systems	•	•	9	_		L	$oxed{oxed}$	•		•		•	•			•	•
Master Data Center, Inc.	•	\perp	_	╙		\perp	Ш	•				_	•			•	•
Master Information Systems	1.	L	Ļ	Ļ	_	9						L					•
Mathematica, Inc.	•	9	•	•	•	0	•		•	•			•		_	•	•
Mathematical Applications Group, Inc. (MAGI) Matlen Silver Group Inc., The		_	_	_	_	9	•		•	•			•			•	•
Matrix Insurance Services Inc.	-	-	-	9			•										
May & Speh Processing Center, Inc.	+	-		-	-	_	•	_		_	_	<u> </u>	_		_	_	•
McCormack & Dodge Corporation D & 8		9	9			0	-	•	_	•	_	_	_	_	_	•	•
McCosker Corporation	-	9	•		•	9	•	•	_	•	9	•	•	_	•	•	•
McCullough and Associates	╁	0		-	⊢	-		_	_	_		_	_	_	_	_	•
McDonald, Friedberg & Carr	+	-	۳	⊢	-	-	Н	-	_	-		-	•	_	•	•	•
McDonnell Douglas Automation Company		9	9	⊢	0	-			_	-	_		•		-	-	•
McDonnell Douglas Physician Systems, Inc.	+-	-	-		-	⊢	-	0		-	_	-	_	_		-	•
McGraw-Hill Information Systems Company	+	-	-	H		-			0			\vdash	_			Н	
McSpadden Associates, Inc.	9		9	-	ř	-	Ť	-	-			-		_	-	-	•
Mead Data Central	Ť	Ť	Ť	H	-		Н		•				•	-	-		
Med Logic Systems	\top		-		-	Ť			Ť	-	_		_			•	
Medical Data Control			1					9		\vdash				-	-	Ť	
Medical Data Services						115		0								111	-
Medical Datamation	9						9	•	0				•			9	9
Medical Engineering, Inc.								9									0
Medical Information Technology Inc. (MEDITECH)	3							0		9							9
Medical Management Systems Inc.								9									•
Medicus Systems Corporation								9									0
Medidata Inc.								0								•	•
Mediflex Systems Corporation						-											•
Mellon Bank Datacenter						•											•

	INDUSTRY MARKETS COMPANY NAME	TOTAL MANUFACTURING	DISCRETE MANUFACTURING	PROCESS MANUFACTURING	TRANSPORTATION	UTILITIES	BANKING & FINANCE	INSURANCE	MEDICAL & HOSPITAL	EDUCATION	TOTAL DISTRIBUTION	RETAIL DISTRIBUTION	WHOLESALE DISTRIBUTION	TOTAL GOVERNMENT	FEDERAL GOVERNMENT	STATE & LOCAL GOVERNMENT	SERVICES	OTHER
λ	Mellon Bank-Technology Products Department	T					•										П	•
	Mentor Graphics Corp.	1															•	
1	Menu, International Software DataBase		Т	Г	0			0	•	•	9			•			•	•
	Meridian Systems Inc.		9	Г														•
ı	Metamorphics, Inc.							0										•
1	Metasystems Inc.	9																0
	Metier Management Systems, Inc.	9	0	•		0												9
、. l	Metro Bank																0	9
X	Metro System, Inc.			9	9	0	9	9	0		9						•	•
1	Metrocom Inc.			0			0		0	•			9		9			•
्' ।	Metromail Corporation	9		0				9										•
	Micor-Net, Inc. Galler Group.	T					9		0									9
- 1	Micro Business Software Inc. (MBSI)																	9
Ī	Micro Business Systems, Inc.																	•
- [Micro D, Inc.																	•
1	Micro Data Base Systems, Inc. Inc.																	9
- [Micro Five Corp.																	•
$\langle \rangle$	Micro Focus Inc.		•															9
~ [Micro Macro Systems Inc.	0	9	•			0		9		9	•			0		•	0
[Micro Solutions, Inc. (MSI)	9	9									9	9				9	
- [Micro Systems Software	9	9														Ш	9
~ [Micro-Base Associates, Inc.	9								9							•	•
1	Micro-Tec, Inc.	L					9											9
Ĺ	Microcommet	_	•	9		0				9			•		0		•	•
	Micromedex Incorporated	_							•									•
	MicroPro International Corporation	9	L															•
	Microsoft Corporation	0	9								9							9
	Mid-American Control Corporation	9		0	9					•	0	9	0	0		•		•
	Midcom Corporation	_					_				9	•		9	9			9
	Midwest Data Systems, Inc.	_					_	9		•		9					•	
	Miller Computing Corp.	-	_				_			9								•
	Millerick & Associates Inc.	-										_					9	
	Milton Allen & Associates, Inc.	9	0	0								_						0
X	MIMICS, Inc.	-					9		_									
M	Mincron SBC Corporation	0	_		9	9	•	9	9	9	9						•	
	Mini-Computer Business Applications, Inc. (MCBA)	9	9	_							9		9	_	Н		\vdash	0 0
																	4 1	

INDUSTRY MARKETS COMPANY NAME	TOTAL MANIFACTIBING	DISCRETE MANUFACTURING	PROCESS MANUFACTURING	TRANSPORTATION	UTILITIES	BANKING & FINANCE	INSURANCE	MEDICAL & HOSPITAL	EDUCATION	TOTAL DISTRIBUTION	RETAIL DISTRIBUTION	WHOLESALE DISTRIBUTION	TOTAL GOVERNMENT	FEDERAL GOVERNMENT	STATE & LOCAL GOVERNMENT	SERVICES	ОТНЕК	
Mini-Computer Systems, Inc.	•	•							•	•		•					•	
Mini-Systems Associates				•	•	•	•	•	Ť	•	7	Ť	•		•		•	
Minicomputer Company of Maryland, Inc.	1									•	_	•			_	•		
Minimax Research Corp.	1				•	•											•	
Miningham & Oellerich, Inc.	\top						•						_			•	•	
Minitab, Inc.	\top								•						\neg		•	
Misco	9			•		•	•	•	•	•		_	•			•		
Mitchell Matics	\top						•				\neg						•	
Mitre Corporation	1										\neg		•	•	•		•	
Mnemonics Incorporated															\neg		•	
Mobius Division	0				•				•		\neg					•	•	
Modern Computer Systems Corp	T																•	
Modular Information Systems, Inc. (MIS)						•											•	
Modulus Medical Data Systems Inc.											\neg						•	•
Monchik-Weber Corporation mcGrow (fu						0											•	
Money Management Systems, Inc.						0											•	
Montgomery Data Systems Inc.				9	•	9	9	•		0			•			•	9	
Moore Data Management Systems		Ш					0			9			•			•	•	
Morino Associates Inc.	9			•	•	•	•	0	•				•			•	•	
Mountain Software Growers, Inc.	-		•		_	_					_						•	
Multinational Computer Models, Inc.	9		_					_		_		_					•	
Multiplications, Inc. Muse Software	4	Ш	_	•		0		_		_	_	_	•	•	•		•	
Mylee Digital Sciences, Inc.	+-		-		_	_		_	9	_	_			_	_	•	•	
NCA Corporation			-	_		_		_	_	9	_	•	_	_	_		•	
NCR Data Services		9	-	-				_		-	_		_	4	_		•	
NDC Federal Systems, Inc.	+-		-			0			-		•	-	_	\dashv	_		•	
National Bancard Corporation	+-	-	-	-		9			-	-	_	-	•			_	•	
National Check Records Corp.	+	H	-			•		-	\dashv	-	•	-		\dashv		-	•	
National Computer Analysts, Inc.	+-		-	-	-	9		\dashv		-	9			-	-		•	
National Computer Systems, Inc.	+		-		3	8	-	3	0		-	-	9	9	•	•	•	
National Data Communications	+	H	-	-	_	-	\vdash		-	+	+	-	-	-	-	-		
National Data Corporation	+		-		-	9		9		9	9		•	-	-	-		
National Data Services, Inc.	0		-	-		Ť	-	-		-	-	-	-	-	-			
National Datacentre Corp.			-		•		0			9	+	-		+	-	•		
National Decision Systems, Inc.			-							_	•		-	-	-	-	•	
National Economic Research Associates, Inc.			_		•				-	-				-	-	•	•	6
National Electronic Information Corporation	\mathbf{T}		\dashv	_			•	•	-	-	-		-	\dashv	-+	-		

	INDUSTRY MARKETS COMPANY NAME	TOTAL MANUFACTURING	DISCRETE MANUFACTURING	PROCESS MANUFACTURING	TRANSPORTATION	UTILITIES	BANKING & FINANCE	INSURANCE	MEDICAL & HOSPITAL	EDUCATION	TOTAL DISTRIBUTION	RETAIL DISTRIBUTION	WHOLESALE DISTRIBUTION	TOTAL GOVERNMENT	FEDERAL GOVERNMENT	STATE & LOCAL GOVERNMENT	SERVICES	OTHER
	National Electronic Information Corp.							•										
1	National Evaluation Systems, Inc	9		•						•				•		•		•
N	National FSI, Inc.	1	_															•
×	National Information Systems, Inc.													•				
×	National Management Systems, Ltd.						9											
×	National Planning Data Corporation	9	9				•							•				
1	National Systems, Inc.				0	9		0			9	9	•			•		
X	National Training Systems	9			0			9		9							•	
- [Nelson & Bauman, Inc.	Т						•										0
- [Neodata Services	Т	9															
	Neshaminy Valley Information Processing Inc. (NVIP)	Т				9			П									9
	Network Computing Corporation					0												9
7	Network Consultants, Inc. 9 =						9											9
	Network Data Processing Corporation					9		9		0				0				
N	New England Management Services Inc	9		9			9											9
	New Systems, Inc.																	0
X	NewsNet, Inc.	9			9	0	9	0		9	9			0			9	9
A	Nichols & Company Inc.	9				9	9	0	9	9	0			9				9
	Nixdorf Computer Software Co.		_														•	9
1	Nordata, Inc.	9	L	(3)	0		9	0	9	9	9			0			•	
	North American Processing	9	<u>L</u>	0														
N	Northeast Data Systems Inc.	0			0	0	0	0	9		9	L		0			•	
- 74	Northeastern Computer Service Inc.	_					9											
	Northwest Analytical Inc.	0		9			_										_	9
	Northwest Keypunch, Inc.	_		L	_							_			_		_	0
	Northwest Management Services, Inc.	1	<u>Ļ</u> .		_	_	9	0			_	_		0				9
X	Norwest Computer Services, Inc.	-	_	_		_	0											
~	1101 Hest 1 Interioral, 1110.	_	L_	_	_						_		_					0
	Novva Computer System, Inc.	1	L	<u>_</u>	_	L	_					_		_			•	
	Numerax, Inc.	100	0	9	9		_		-			_		_	_		_	0
\ \	Numeridex, Inc.	9	9	<u></u>	_		_	_	_	9	-	<u></u>				9	_	
N	NYPLAN, Inc.	0		_	_	9	9	0	-		-		-		_	\vdash	0	
V	OAO	9	-	-		9	_	9	_			-	-		0			
N	Oasys, Inc. (Office Automation Systems)	9	-	-	9	9	0	G	9	9		-		9				9
	Oatman Computer Services, Inc.		9		-	-	-			-	-	-	•	•	-	•	•	9
	Occidental Computer Systems, Inc. Occupational Computing Company, Inc.	9	9	-	-	-	-	-			9			-	-			0
		3	9		0	9	-	9	9	0	9	-	-	•	-		-	9
	Occupational Health Services Inc.	10	9	9	0	0		3	9	0							•	4

OCTO Limited Office Automation Resources Inc Office Services Inc. (OSI) Officesmiths, Inc. Offshore Information Services, Inc.		•	1	4	- 1		-	INSURANCE	MEDICAL & HOSPITAL	EDUCATION	TOTAL DISTRIBUTION	RETAIL DISTRIBUTION	WHOLESALE DISTRIBUTION	TOTAL GOVERNMENT	FEDERAL GOVERNMENT	STATE	SERVICES	OTHER
Office Services Inc. (OSI) Officesmiths, Inc.			-		_						\perp					_	•	•
Officesmiths, Inc.				-	_	_			•		Ш	Ш				_		•
		•	_	4	•	•	•	•	•	•	•		_	•			•	•
		-	_	_	•	•	•	•	•	•	•			•			•	•
Offutt Publishing		•	_	_	•	•	•	•	•	_	•	_		•			•	•
Ohio Valley Data Control, Inc.		4	-	-	_	_		_	-	_	_		_					•
Oil Data Processing Co.		_	_	_	-	•	9	_	_	_	•		_		_			•
Olympic Systems Inc.		9	\rightarrow	•			-	-	_			\rightarrow	4	_	_	ш		•
Omega Microware, Inc.		•	-	\dashv	-	-		-		-	•	4	_	_	_		•	•
OMNI Resources, Inc.		+	-	-	-	-	_	-	-	-	-	-	9	-	\vdash	\dashv	\square	•
Omni-American		+	\dashv	-	-	-	•	-		-		\dashv		_	-	-		•
Omtool Corporation			-	-	-	9	-		9	-	•	\dashv	-1	-	-			•
On-Going Ideas		+	+	+	-	-	\dashv	-	-	-		•	\dashv	-	-		•	
On-Line Accounting Systems Inc.		B (•	•	-	9	-		•	-	•	-	•	-	-	\dashv		6
On-Line Business Systems Inc.		+	-		•	_	•		•				•	-		•	•	
On-Line Computer Systems, Inc.		+	+	-	-	-	0	-	-	-	+	-	-	-	-	-	-	
On-Line Software International, Inc.		0 0	•	+	\dashv	•		+	-	-	+	\dashv	-	\dashv	\dashv	-	•	-
Online Computer Library Center Inc. (OCLC)		+	1	+		-	-	+	+	+	+	\dashv	\dashv	\dashv	-	-	-	•
Open Systems, Inc. UCCEL		9 (•	•					•	+	9	\dashv	+	•	-	\dashv	•	
OPOC Computing Inc.		D	1	0	0	-	+			+	7	-	+	9			-	•
Oracle Corporation		\top	+	\top	1	+	\neg	-	-	+	+	-	\dashv	-	-	-	-	
ORBIS, Inc.	(9		0		-	9	9	•	\dashv	•	+	7		+	\dashv		
Oregon Software, Inc.	•	•		1	0	9	0		0	0	0	\neg	_		\dashv	\dashv	•	•
Organization Change Corporation		9 6	0	9	0	0	9		9	9	•	0	•	•	\neg	•	•	•
Oxford Software Corporation	(9			9	0	0	0	9	0	9		\neg		\exists	\dashv		•
P.A. Computers & Telecommunications		T			9				\neg	T	9	\top			T	\neg	\dashv	•
P.C. Quote, Inc.							9				7	\top	\neg					•
P-Stat, Inc.	4	9		- 3	9	13	9		0					9	0	9	\neg	•
PBS Computing															\neg	T		
PCS Data Processing Inc.	6		9										9				9	
PDA Incorporated	6	2	1	-	3	9	0	9	9	9	9			9			9	•
PDPS Computer Services		4	1	1	1	4	1	_		1	_	0	\perp			_	9	•
PM Computer Services Company PRC Government Information Systems	6	9 9	9 (9	1	4	1	_	1	1	9	9		•		9		•
PRC Government Information Systems PRC Realty Systems		+	+	_	4	4	_	+	4	4	4	4	1	9			-+	•
PSA, Inc.			-	-	_	- 1	9	_	-	1	1	1	4	1	4	_	_	•
PSI Energy Software, Inc.	6	_	_	9	9	+	-1	•		9 1	•	•		- 1	- 1		9	

INDUSTRY MARKETS COMPANY NAME PSI-MED Corporation	TOTAL MANUFACTURING	DISCRETE MANUFACTURING	PROCESS MANUFACTURING	TRANSPORTATION	UTILITIES	BANKING & FINANCE	INSURANCE	MEDICAL & HOSPITAL	EDUCATION	TOTAL DISTRIBUTION	RETAIL DISTRIBUTION	WHOLESALE DISTRIBUTION	TOTAL GOVERNMENT	FEDERAL GOVERNMENT	STATE & LOCAL GOVERNMENT	SERVICES	OTHER
PSI-MED Corporation Pace Computer Systems	•			-	-	-	-	9	-	-	-	-			-	-	
	-		-	-	-	•		-		-	-	-	-	-	\dashv	\dashv	•
Pacesetter Systems, Inc. Thank Financial Pacific Computer Systems	0				9	9		0	•	9	-	-		\dashv	\dashv	-	•
Pacific Data Systems Pacific Data Systems			-	-	-	6	-	-	-		-		-	-	-		
Pacific Sierra Research	9	H	-	-	9			-	9	-	-	-	0			-	•
PAID Prescriptions, Inc.	F			-	-	-		-		-	-	-		-			9
Paladin Software Corp.				9			9				-			-		9	•
PALLM, Inc.	Ť		-				0	-		-	-	-					•
Pansophic Systems, Incorporated	9			0	9	0	9	•	0		•		9	•			•
PAR Technology Corporation	È									-		-		9			9
Para Data, Inc.								9	0	0					0	0	
Para Research	0			9		0	9	9	•	•		Ť		\neg		•	
Parallax Systems, Inc.	9	9	9	0	0	0	0		0	Ì							0
Parke-Randall Management Co.						0											
Parker Computer Systems								0									0
Pattern Systems Of NJ	9	9															•
Patton Consultants, Inc.	•			9	0	9	9	9	•	0			0			•	
Pay-Fone Systems, Inc.											9	\neg			\neg	•	•
Paychex, Inc.								9				\neg	\neg			•	9
Payne, Bruce Consultants Inc.	9	•				9	9					\Box					•
Paynter, E.F. & Associates, Inc.																	•
Peachtree Software Inc.																•	•
Pearl Data Systems						9		9									•
Pearlsoft Inc.	0			•	•	0	0	9	9	9						•	•
Pegasus Systems, Incorporated																0	9
Pennington Systems Incorporated																	9
Penta Systems International, Inc.	9	9	0													•	•
Pentamation Enterprises Inc.								0	9								9
Perception Technology Corp.				0	9	0	0	9	9	•						•	0
Perfect Software, Inc. \$10 mm s fw	(3)					0	9			9						•	0
Performance Development Corporation	9			0	9	0	9	_	0				9			9	9
Performance Systems, Inc.	•			•	0		9	9	•	9	4		0	0			•
Personal Computer Management Corp.			-		-			-		9	0	•	-		-	9	•
Personnel Data Systems, Inc.	9		-	-	-	9	-	9	9	-	-	-	-	-	-	-	0
Personnelmetrics, Inc.				-	-	-	-	-	•	-	-					•	0
Petroleum Information Corporation	-		-	-	-	-	-	-	-	-	-	-		-	-	-	9
Petroleum Software Systems, Inc.																	•

INDUSTRY MARKETS COMPANY NAME	TOTAL MANUFACTURING	DISCRETE MANUFACTURING	PROCESS MANUFACTURING	TRANSPORTATION	UTILITIES	BANKING & FINANCE	INSURANCE	MEDICAL & HOSPITAL	EDUCATION	TOTAL DISTRIBUTION	RETAIL DISTRIBUTION	WHOLESALE DISTRIBUTION	TOTAL GOVERNMENT	FEDERAL GOVERNMENT	STATE & LOCAL GOVERNMENT	SERVICES	OTHER
Petroleum Software, Inc.			•	Γ		Т						-	Т			Г	
Pharmaceutical Card Systems, Inc.	十	+-	Ť	1	+-	\vdash	•	+-	\vdash	-	-	┢	+-	╆	\vdash		•
Pharmacon	_	+	\vdash	\vdash	Н	✝	Ť	•	+-	•	-	-	1-	-	\vdash	-	•
Phoenix Data Processing	\top	+-	t	t	1	┢	\vdash	-	-	Ť	-	-	-	+-		•	•
Phoenix Systems, Inc.		1	\top	1	1		1	-		0	9	-	1	\vdash		۲	-
Physicians Practice Management, Inc.			T	1		1	1				Ť					\vdash	
Pilot Executive Software	T					9	9	-			-		-	1		-	
Pinkerton Computer Consultants	_	T	T	1			1		Н	_	-	_	9	1-		\vdash	•
Pioneer Software, Inc.				Т		\vdash		_	Н	9	_	•	-		-	Н	
Planmetrics Inc.		Т	1	T		\vdash			_	0	-					-	
Planning Research Corporation			1		\vdash				_		_				•		
Plansmith Corporation	_	1	1		\vdash	9		-	_	\vdash	-	\vdash	-	Ť	Ť	<u> </u>	•
Players Computer Inc.		1	1	\vdash			T			9		9	0	-			•
Police Data Systems	1	T	1		_							-	9	\vdash		-	•
Policy Management Systems (PMS)			Т		-		0							1			
Poorman-Douglas Corporation \$10 mm (12/83)						0		9		0		_	-	1	Н		
Power Base Systems		Г	Г		9	9	0						-	\vdash		_	•
Practical Business Systems, Inc.								_									
Precision Visuals, Inc.	9	0				9		•	9				•	0			•
Price Waterhouse & Co.	0			9	9	0				9			_			•	
Primavera Systems Inc.													_				0
Processing Management Systems (PMS)		Т	1			9		0		9		_					
Prodigy Systems, Inc.					9	9		9	9	9			9			0	
Product Group, Inc.		0										0					
Productive Computer Systems	9	9								9			_			-	•
Professional Business Industries Inc	0										-						0
Professional Business Software								9									0
Professional Computer Resources, Inc.	9		9							9	0	•					0
Professional Data Corp.		9	9	0	9	0	9	3	0	9			0				•
Professional Data Systems							9	9									
Professional Geophysics Inc.	9	_	9														9
Professional Processing, Inc.	ð									9	9					9	
Professional Software Solutions, Inc.								9					•	•		•	0
Profimatics Inc. Profit Control Systems	-		0														
	9	9	9			-											9
Profitool, Inc.	-																9
Program Design Inc.			-						9					Ī			9
Program Systems, Inc.										0	•	•		T			•

																		_
	INDUSTRY MARKETS COMPANY NAME	TOTAL MANUFACTURING	DISCRETE MANUFACTURING	PROCESS MANUFACTURING	÷	UTILITIES	BANKING & FINANCE	INSURANCE	MEDICAL & HOSPITAL	EDUCATION	TOTAL DISTRIBUTION	RETAIL DISTRIBUTION	WHOLESALE DISTRIBUTION	TOTAL GOVERNMENT	FEDERAL GOVERNMENT	STATE & LOCAL GOVERNMENT	SERVICES	OTHER
	Programmed Systems Inc.				•			_									9	•
6	Programs & Analysis, Inc.			118			0	•	•	•						•	•	•
d	Project Software & Development, Inc.	_	•	•		•									•	•		0
4	Proprietary Computer Systems, Inc.			9			•								9		0	-
	Proprietary Software Systems, Inc.	0												•				9
ı	Pryor Corporation	0	0	9	\perp			•			9	9	•					9
ı	Psych Systems, Inc.	\perp			匚				9	•							•	0
١	Pulsar Systems, Inc.	9	0	0			9			9	9		9	9	9		•	0
j	Q.S., Incorporated	1							9					9	9	•		•
4	Quadra Systems				0	0	9	•	•	•	9			9			•	0
١	Quadrex Corporation	9	L_		0									•	•			0
.	Quadsoft, Inc.	L	L								9	9			_			•
ч	Quadstar Corporation	_		_			•				*	9						0
١,	Qualtek Systems Laboratory, Inc.	0	_		•				9		9	0			L			9
9	Quanteckna Research Corp.	0	L	_		9	9	9	9					•			9	0
Ч	Quantitative Software Management, Inc.		L	_		9	•	•			\Box			•	_			0
-	Quarterdeck Software	ļ.,	_	L_	_				_			_	_		_			•
1	Quest, Inc.		•	<u> </u>	Ļ	_					0		•	•	•		•	•
١	Quic-N-Easi Products, Inc.	9		_	9				9	•	•		_	9			•	•
1	Quick-Tax Ltd.	 _	_	_	_												•	•
٠l	Quotron Systems Inc.	1	<u>_</u>	_	_		•	•				_					•	•
1	R.A.I.R.	0	_	_	_							_					•	•
,	RDW Systems, Inc.	-	-	_		_	_						_	9	_			•
٦	RLG Corporation	┞-		_	_		•					_			•			•
ı	RMC Research	-	_	_	_	_	-	_		0				9				•
١	ROH \$5 mm (6/82)	9	_	_	9	9	0	0		•	0	_		9	_		•	•
4	ROI Consulting Inc.	0	-	_	_		•		_	_	-	_	_					•
	RWB Associates Racal-Redac, Inc.	9	-	_	9	-		9	•				•		_		•	0
-		-	9											_	•			
	Rand Information Systems, Inc. Rand Systems Corp.	9	9	0	-	-		9		_	0	•			•			9
-	Rand Systems Corp. Rand Travel Agency Services	10		-	-							-	•		-	-		9
,	Rand Travel Agency Services Randolph Technical Services, Inc.	9	-	-	9	9	9	0	9	9	•						•	
1	Rans Micro Systems, Inc.	9	-	-	-	-	-	-	-	-	-	-					-	9
	Rath & Strong, Inc. Products, Inc.	9	0	-			_	-		-	-	-	-		-		-	
١	Raven Systems and Research, Inc.	1	-					-				-		•	•			
	Real Estate Data	+-	-	-				-		-	\vdash			-	_	-		
,	Real Estate Information Tracking Systems	+	-	-	-		9				\vdash		-	-				0
1	Real Estate Information Tracking Systems		l	L	L		•											_

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Reality Software Company	-	\vdash	+-		-	\vdash	\vdash	-		\vdash	-	\vdash	\vdash	-	\vdash	-	-
Realtron Corporation		-	⊢	├	⊢	├	⊢	-			-	<u> </u>	-	⊢	_	_	•
REAP Inc.		-	-	⊢	├	⊢	-	-		-	•	_	L	-	\vdash	•	•
Redshaw, Inc.		-	-	├-	⊢	-		<u> </u>	-	-	•	-		-		⊢	•
Rehab Group, Inc.			-	┢	-	-	-		-	-	H	-				•	0
Relational Database Systems, Inc	9	-	⊢	0	0	9	9	•	0		-	-					0
Relational Technology Inc.	-			۳	-	-	-	-	9	•	-	_		•		•	
Republic Management Systems	-	-	-	-	⊢	-		Н	9	-			0	•	-	•	9
Republic Service Bureau Inc.	+		-			-	-		-			-		-		-	
Republic Technology Corp. Systems Division		\vdash		\vdash		-	-			-		-		\vdash			0
Resource Information Management Systems, Inc.		-	-	-	۳	-	0			-	_	-	-	-	-	-	0
Response of Hawaii, Inc.	_	-	\vdash	-	1	9	0		9	-		_				9	•
Reuters North America	0		╁	9				-		9	_	_		-		•	
Reveal Software, Inc.	Ť	-	1	Ť	-	0	Ť	-			_	_	Ť	-		-	0
Revere Technology				_		-			-			_		_	-		
Reynolds & Reynolds Company, The	1	75	Ť								•			-		0	9
Rhintek, Inc.	-			_	1	-	-	9			Ť		•	-	Н	-	9
Roanco Associates		1			\vdash			0					Ť	-	Н		0
Roshell Ivri Software Company	\top		-		\vdash					0		•	Н		Н	\vdash	•
Ross Systems, Inc. \$9.5mm (6/93)	0	•				9		0				-		П	Н	_	
Rothenberg Information Systems Inc.	9			•	9		9	9	0	0					Н		
Rubel Software			_										Ť			Ť	•
Ryan-McFarland Corp.				_	_					9	•	-		П	Н		•
S & H Computer Systems				0		0	0	0	9			-					
S-Cubed								9					•				6
SAS Institute, Inc.						0	0		•							•	9
SBD Computer Services	0			0	9	9	9	0	9	•			•	П		•	9
SCA Products & Services	9							0				_					0
SD Transport Services, Inc.				9		0					_						•
SDI	0			0	0	9	0		9	•			•			0	•
SDK Medical Computer Services Corporation								•									•
SEI Corporation						•											9
SEI Information Technology	9	•	•			9							•	•		•	9
SJV Data Service Inc.	•		•			•										•	•
SKK, Inc.																	9
SMC Software Systems				•	•	•	0	•	•	•				•	•		•
SRS Programming Reserve Inc.	•			•		•	•	•		•			•				•
STS, Inc.	9			•		0				•		•					•

INDUSTRY MARKETS COMPANY NAME	TOTAL MANUFACTURING	DISCRETE MANUFACTURING	PROCESS MANUFACTURING	TRANSPORTATION	UTILITIES	BANKING & FINANCE	INSURANCE	MEDICAL & HOSPITAL	EDUCATION	TOTAL DISTRIBUTION	RETAIL DISTRIBUTION	WHOLESALE DISTRIBUTION	TOTAL GOVERNMENT	FEDERAL GOVERNMENT	STATE & LOCAL GOVERNMENT	SERVICES	OTHER
STSC, Inc.		•		•													•
Sachs/Freeman Associates Inc.				•	•	•	•	•					•			•	9
SAFECO Title Insurance																	•
Safeguard Business Systems, Inc.	9							9		9						•	•
Safeguard Scientifics, Inc.						0				0	•	•					
Sage Data Inc.	0		•														
Sage Systems Inc.				0	•	9			•	9			0			•	•
San Francisco Systems, Inc.	9			0					9			9	•	•			0
Sarig Business Systems, Inc.	9	9	L					9									•
Sat Com Inc.			L					_		•		•					•
SATCOM (Satellite Computing, Inc.)	9	0	•		_				0			•					
Satellite Software International(SSI)	9		L		•	•	9	•	•	•			•			_	
Saztec				•	•	•		9					•			_	•
Scheduling Corporation of America		9	•					_								_	0
Schulstad, Myers & Associates Inc			_		•			_				ш					•
Science Applications, Inc.		9	9		9									9			•
Science Management Corporation			_	9		<u> </u>	_	_						•	_	<u> </u>	•
Scientific Calculations	•	9	-		ļ	_		L								Ļ	0
Scientific Computers Inc.		_	_		_	_	•	_	_	•			_	_	_	•	
Scientific Information Retrieval, Inc.		•	9	_	_	9		9	9				•	•	•	•	
Scientific Software-Intercomp		_		-	_	_	-	_	_		_				_	_	9
Scribe Data Systems	-		L	_	_		_	-								-	0
Scripps Data Systems Inc.	9		•	-	•			_				_	_		-	•	
Securities Data Company, Inc. Securities Industry Automation Corporation		-			-	•	-	-	_		_	_	Н	_	-	-	
			0	_	\vdash	9	-	0	9	9		_		_	8		
Sedalia Computer Services, Inc.	+-		9	-	-	9	9	9	9	9				-		•	
Sedlak, J.P. Associates Seis Pros, Inc.	9	-	9	-	-	-	9	-	-			_		-	-	-	0
	9	-	0	-	-	-		-			_	_				-	9
Seiscom Delta, Inc. Seismic & Digital Concepts, Inc.	9	-	9		-			-		-	_	_		-	-	-	
Seismic & Digital Concepts, Inc. Seismic International Research Corp	9	-	9	-	-			-				-	-	-	-	-	0
Seismic Processors, Inc.	9	-	9	-	-	-		-			-	-		_	-	-	0
Seismograph Service Corp.	9	-	0	-				-		-		-		-	-	+	9
Sentinel Computer	+		-	\vdash	-	-		-	-	9				-	-	-	
Sentry Data Inc.		-	-	-	-					-	-	-			-	-	0
Sercon Corporation		-		\vdash	-			-	-		-	-	-	-		-	
SERENA Consulting	-	\vdash	-			9	0		9		-	-	0	-	-		

INDUSTRY MARKETS COMPANY NAME	TOTAL MANUFACTURING	DISCRETE MANUFACTURING	PROCESS MANUFACTURING	TRANSPORTATION	UTILITIES	BANKING & FINANCE	INSURANCE	MEDICAL & HOSPITAL	EDUCATION	TOTAL DISTRIBUTION	RETAIL DISTRIBUTION	WHOLESALE DISTRIBUTION	TOTAL GOVERNMENT	FEDERAL GOVERNMENT	STATE & LOCAL GOVERNMENT	SERVICES	OTHER	
Shaes & Co.	\top	1			_		Г										•	
Shaker Computer and Management Services	•	\vdash		•	•		•		•			-	•	-	-		•	
Shales & Young Information Systems, Inc		\vdash			•	Ť	-	•	Ē							•		
Shared Financial Systems		T	Ι			0											•	
Shared Medical Systems Corporation	9						_	9					-	•		•	•	
Sharp, I.P. Associates		9		9		0			9				•			9		
Shaw Data Services, Inc.	0	Г				9							_				0	
Shirley Software Systems		Г															9	
Shriver, R., Associates	•			_														
Sierra On-Line, Inc.																9		
Sigma Software Inc.							9										3	
Signal Technology, Inc.	9			0	9	9							9				0	
Simcon Inc.	0	9	9	0		9	0	9	9				9		3		0	
SIMPLAN Systems Inc (SSI)	9			9	9	0	9	0		9			9			9	9	- 1
Simple Soft Inc.						9										9		
Sirco Enterprises, Inc.	9	9			3	0		9									9	
Small Business Data Processing Corporation	3		9	0						9	9	9	9	0		9	69	
Small Business Mangagement Systems Inc								0		9	3	0					9	
Small Business Systems Group																•	9	
Smart Communications Inc.		_	_		9								9			9	9	
Smart, Inc.		_	_							0	0						0	
SMITES Group	9	9				9											0	
Smith, A.O. Data Systems Division	0	L.				3				0							9	
Smith, Dennis & Gaylord	0	9	9	9				3		9		0				9		
Smyth Business Systems		_								_	9	_					0	
Soft Pro Systems Softech Microsystems Inc.	9	<u> </u>			0	9	0	_		9	9	9	9	•	•	0	•	
Softech Microsystems Inc.	9				9					_	_	_		_			9	
Softlink	9	-					_	_		-	-	_	_	•	_			
Softmatics Corporation	9			_	-			-	_	9	-	-	\dashv	_			•	
Softsel Computer Products, Inc.	9		_	-	-			-	-	9	_	-			_	_		
Software AG of North America, Inc.					-	-	-	-		-	6	-	-	-	_		9	
Software Alliance Buelley 54mm (83) E	+	•	-	-			-	-		-	-	-	-		-	-	0	
Software Alternatives		0			-		-	-	-		9	9	-	-	•	-	•	
Software Arts Inc.	-	Ť	-		-	-	-	-	-	0	-	9	-	-	-	-	•	
Software Authority, The					-	9	9		•	9	+	-	9	-	-	•	•	
Software Clearing House, The	9	•				9	•		-	9	-	-	•		-		•	6
Software Connections, Inc.		H	-		-	-	-	-	•	-	-	-	-	-	-			'

INDUSTRY MARKETS COMPANY NAME	TOTAL MANUFACTURING	DISCRETE MANUFACTURING	PROCESS MANUFACTURING	TRANSPORTATION	UTILITIES	BANKING & FINANCE	INSURANCE	MEDICAL & HOSPITAL	EDUCATION	TOTAL DISTRIBUTION	RETAIL DISTRIBUTION	WHOLESALE DISTRIBUTION	TOTAL GOVERNMENT	FEDERAL GOVERNMENT	STATE & LOCAL GOVERNMENT	SERVICES	OTHER
Software Design Associates, Inc.		Γ		•	•		•	•	•	•			•				•
Software Development & Maintenance Int'l. Inc.					1	•		_							т		•
Software Maintenance and Development Systems, Inc.	•	Г		•		•		•	•	•			•			•	•
Software Publishing Corporation	•	Π								•						\neg	•
Software Research Associates		Т			Г		Ĭ						•				•
Software Research Corp.		•	Γ		•	0	•	•			•	•					•
Software Services Of America Inc.			Г														•
Software Shop Systems, Inc.		9								•					П	•	•
Software Solutions Inc.															•		•
Software Systems Associates		Г											•	•		\neg	•
Software Systems Inc.								•	•		•	•	•	•	П	•	•
Software Systems Inc.								•								•	•
Solid Software Inc.							9									•	•
Solosystems Inc.	9	L.			9		9						•		П		
Solution Systems, Inc.			П					9		•	•					•	•
Sophisticated Data Research, Inc.		Г			9	0	0		•	9			•			•	•
Sorcim/IUS																	•
Sorites, Inc.				•	9	9	9		•	•			•				•
✓ SOTA Computer Systems	9				•		•	•	•				•			•	•
Source Data, Inc.						•										9	
Source Telecomputing Corporation																	•
Source-2		9														\Box	
South Hills Computer Center Inc.						0						•			0		
Southern Computer Systems, Inc.															П	•	•
Southwest Modular Systems, Inc.																	•
Space Age Computation Systems										9		•	•	•			•
Spartacus Computers, Inc.						•	0		•				•				
Specialty Computer Services Inc.								9		•	•	•	•		•	•	•
Spectrogram Corporation	9	•											•	•	•		•
Spectron Corporation	9			0			0	•	•	9			•			•	•
Spectrum International, Inc.		_		9			•	•	•	0			•	•	•		•
Sperry Corporation Computer Systems		_					_						•	•			
Spinnaker Software Corporation		_								•							•
Spring Rock Consultants, Inc.				•													•
St. Joseph Systems	_	_														•	•
Standard & Poor's Compustat Services, Inc.	_	_				9	•		•				•				•
Star Inc.		_								•		•				•	•
Star Software													I	I		•	

INDUSTRY MARKETS COMPANY NAME	COLUMN MANNING CONTINUES	DISCRETE MANITEACTURING	DISCRETE MANUEACTURING	TRANSPORTATION	UTILITIES	BANKING & FINANCE	INSURANCE	MEDICAL & HOSPITAL	EDUCATION	TOTAL DISTRIBUTION	RETAIL DISTRIBUTION	WHOLESALE DISTRIBUTION	TOTAL GOVERNMENT	FEDERAL GOVERNMENT	STATE & LOCAL GOVERNMENT	SERVICES	OTHER
	F	- 2	3	Ě	5	B.A	Z	IIN	Œ	10	RE	3	10	FE	$\mathbf{S}\mathbf{T}$	SE	O
Star Value Software					I	•											•
STAT:TAB		T	Τ	•	•	•	•	•	•	•			•			•	•
State of the Art Inc.	•	\perp		•	•	•	•	•	•	•			•				•
State Space Systems Inc.		I	L	•	•	•	•	•	•	•			•			•	•
Statistical Graphics Corp.			L	•	•	•	•	•	•	•			•			•	•
Statistical Tabulating Corporation		Т	Т		•												•
Stauffer Development Corp.		Т	Т		Г						\neg						•
Sterling Software Marketing		T	Т	•	•	•	•	•	•	•			_			•	•
Sterling Software, Inc.		Т	Г			•	•	•	•	•			\neg			•	•
Stockholder Systems, Inc.		Т	T	T	•	•			•		7	_			\neg		•
Stonehouse & Company		Т	Т		9	•					\neg		•	•	•		•
Strata Search Processing Co., Inc	0	Т									_	\neg		\neg	_		•
Strategic Information			T							•	\neg	\neg	•	ヿ	_	\neg	•
Strategic System Solutions, Inc.		•					•	•	•	•	\dashv	7		\exists			•
Structural Members Users Group		Г	Т	1				\neg			_		\neg	\dashv	7	-	•
Structured Methods, Inc.	9		Т			•				_	\neg	\neg		\dashv	7	\neg	•
Structured Systems Group, Inc.		•				•	•	\neg		•		•	7	-	\dashv	•	
Summagraphics Corporation	0								_		7		\dashv	_	\forall		•
Sun Country Financial Corporation				1		0		_	\neg		_	_	7	_	\dashv		•
SunData Corporation								_	\neg		7	7	7	7	\dashv	7	•
Suntel Systems Corporation		Т			•					_	\top	7	7	\dashv	\dashv	\dashv	•
Superdata, Inc.				Ι.				7		\dashv	•	\neg	7	\dashv	_	-	
Superset, Inc.	9	Г	Т			•	_			7	$^{+}$	_	•	•	-+	-	-
Survey Tabulation Services Inc.		•						\neg	+	1	1	•		-	\dashv	-	-
Sydney Development Corporation \$15mm (34)			9					•	1	+	1	+	+	-	-	•	-
Symbolic Financial Systems Corporation			Т			0		1			1	1	+	+	+	Ť	-
Symbolics	0									1	+	1	1	+	-+	-	•
Syncsort Inc.	0			9	•	9	0				1	7	•	1	+	-	-
Synercom Technology, Inc.					9		7	-	7	+	+	-		•	•	•	-
Synergy Systems, Inc.					0		\neg	+	7	7	+	+	+	+	-	•	•
Syntel							\neg †	\neg	7	7	+	+	+	+	7	+	•
Syntelligence						9			1	1	+	+	1	1	\forall	+	•
Syscom, Inc.			0	0			1	•		9	7	7	1	+	-	•	•
SYSCON Corporation									1	1	1	7	1	•	•	1	•
SYSGEN, Inc.	9	•					0	7		•	9 (•	1	1	+	\dashv	•
Systech Inc.	0	9				•		•		•	1	1	\top	1	1	•	•
System Automation Corporation										1	1	-	9	•	1	1	•
System Communication Corp.					_		_	-	1		+	-	-	+	-+-	-	=

					_	_		_	_		_						_	
	INDUSTRY MARKETS COMPANY NAME System Development Corporation	TOTAL MANUFACTURING	DISCRETE MANUFACTURING	PROCESS MANUFACTURING	TRANSPORTATION	UTILITIES	BANKING & FINANCE	■ INSURANCE	MEDICAL & HOSPITAL	EDUCATION	TOTAL DISTRIBUTION	RETAIL DISTRIBUTION	WHOLESALE DISTRIBUTION	TOTAL GOVERNMENT	● FEDERAL GOVERNMENT	▶ STATE & LOCAL GOVERNMENT	SERVICES	OTHER
í	System Support Software, Inc.	•	\vdash	-	•	•	•	-	•	•	8			•	-	Н	_	
١,	System's Technology Automated Resources	۳		_	=	-	_	_	-	÷	H	•	-	Ľ			_	
J	Systematics, Inc.	+-	-		-	-	•	-	_	-	-	-	-	-	-			
۲	Systemation, Inc.	+	•			•	•	•	•	•	•	-		-				
ď	Systemhouse Ltd.	•	ŭ	-	•			6	•	-	브	-	_	•	H		-	
1	Systemhouse, Inc.	-			-	-	•	-	-	-	•		-	-	-			
ı	Systemp Of Florida, Inc.	╇		_		•	•	•			-	-	-					
ì	Systemp Of New Jersey, Inc.	+		-	-	•	-	7			-	-		H	-			
č	Systemp Of Texas, Inc.	+			Н		•	6			\exists	\dashv	_	-	-			
d	Systemp, Inc.	+			-	•	•	片			-			-			-	
1	Systems & Computer Technology Corporation	+			-	-	-	-		•			-			•	-	
1	Systems & Information Dynamics, Inc.	0		•		-				-	\vdash			-				
ı	Systems and Applied Sciences Corporation	۲					-		-		-	-		•	•	•	•	
J	Systems and Programming Resources Inc.				•		•	•		-	•	•	-	÷		•	_	
Ì	Systems Architects, Inc.		Ť		9	-			•	•		-		•	•	•	•	
ı	Systems Associates Inc. (SAI)	Ť		-	-				•					Ť	H	-	_	
J	Systems Center, Inc., The				•	9	•	•	•	•	•		-	•			•	
ı	Systems Control, Inc.	1		•	•		-	Ť				-		Ť	•	•	-	•
I	Systems Coordination Inc.								-				-		Ť	Ť		•
4	Systems Data Inc.			•	•	•	•	•	•	•	•			•			•	•
1	Systems Data Processing Corporation		0	Ť	-	-	Ť		•		•	•	•	•	-	•	•	
J	Systems Design & Development Corporation	1				-	•	•	Ť			•	Ť			-	Ť	•
1	Systems Designs										•						•	•
J	Systems Engineering Computer Co.	•		•		•	•	•									•	•
1	Systems Management Inc.	•							•			•	•			•		•
ı	Systems Network Inc.																•	•
Ì	Systems Plus Inc.										•	0						•
İ	Systems Products International, Inc.																	•
I	Systems Specialists, The		9													-		•
١	Systems Strategies, Inc.	0				9												•
I	Systonetics, Inc.	9												•				•
	Systran Commercial Corp.										•						•	0
ĺ	Sytech Corporation																	
ĺ	T & B Computing Inc.																	•
1	T Systems				9													•
	T.C.S., Inc. (Transportation Concepts And Services)	•			0						•	•	•					•
l	TCS Software Inc.				I							[I				•	•

INDUSTRY MARKETS COMPANY NAME	TOTAL MANUFACTURING	DISCRETE MANUFACTURING	PROCESS MANUFACTURING	TRANSPORTATION	UTILITIES	BANKING & FINANCE	INSURANCE	MEDICAL & HOSPITAL	EDUCATION	TOTAL DISTRIBUTION	RETAIL DISTRIBUTION	WHOLESALE DISTRIBUTION	TOTAL GOVERNMENT	FEDERAL GOVERNMENT	STATE & LOCAL GOVERNMENT	SERVICES	OTHER
TEC	•		Γ														
TKS Corporation	7	T			T		1	•		_	-			-		-	•
TLS Company	1	T	Г	\vdash	T	\vdash				_				-		•	•
TMI Systems Corporation	\top	Τ	Г			•	\vdash									Ť	•
TOM Software (The Office Manager, Inc.)		Т								•	0	•				•	•
TRW Information Services		Г				•	•	•		•	•		•	•	•	•	•
TRW Property Data Services				Г			•										
TSR, Inc.			•		•	•	0										•
Tabershaw Occupational Medicine Association CDC	9			•	•		•	•	•	•			•			•	•
Tag Inc.			•														•
Tailored Data, Inc.										9							
Tandy Corporation	\perp	_															•
Techdyn Systems Corp.													•	•			•
Technalysis Corporation	9	_	_	9	•		•		•	•			•			•	•
Technical Analysis Corporation (TAC)	0	<u> </u>		•	•	•	•	9	•	•			•			•	
Technical Support Associates Inc. Technical Systems Consultants Inc. (TSC)	+	L	_			_				•		•					•
Technicon Data Systems Corporation		_	_		0	•	0	9	9	0	_		•		_	0	•
Technology And Information, Products			_	_				9	_		_						
Technology And Information, Products Technology Development of California		⊢	_	_	_				-	_	_	_	_				•
Tekkon Computer Services					_	_	_	_	_	_	_	_	•		_		0
Teknowledge Federal Systems Inc.	-	-		•	9	9	•	•	•	•			•			0	
Teknowledge, Inc.		-		•	•	•	_	_	_	_	-	_	_	0			•
Tel-A-Data, Inc.	-		_	-	9	•	-	•	9	9		_	•	_	_	\Box	•
Teldata Systems Corporation	9		-	-		-	9	0	-	9	-	•		_	\dashv	_	•
Telecredit, Inc.	+	-			•		9	9	-		9			_	4	•	•
Teledyne Exploration Company	9			-	-	•			-	9	9	9		\dashv	-	•	9
Telerate, Inc.		-	-		\dashv	9		\dashv	+	0	-	\dashv	-	-	\dashv		0
Telesis Systems Corporation	9	9	-	-	-	-	-	-	-1	9	-		-	-	-	9	<u> </u>
Telesoft	+			-	-		-	-	+	9	9	0	-	\dashv	-	•	0
Telic Services Corporation	1		-	-	0	-	-	-	-	-	-	-	-	-		-	0
Telmar Group	1				0	-	-	-	-	-		-	-	-	-	0	9
Telos Corporation	0	0	9			0	0	-	0	+	+	+	-		\dashv	-	
Temple, Barker & Sloane, Inc. (TBS)				9	0	•	0	-		9	-	-	0	-	-	•	0
TERA Corporation	0	0	9		•			7			1	+	-	•	-	-	
Terminal Applications Group	9	•						7	0	•	9	•	-	-	+	+	9
Terrano Corporation								•	1	+	1	1	+	1	+	-	•
Tesseract Corporation	0								_	-	-	1	7	-	\dashv	-	•

INDUSTRY MARKETS COMPANY NAME	TOTAL MANUFACTURING	DISCRETE MANUFACTURING	PROCESS MANUFACTURING	TRANSPORTATION	UTILITIES	BANKING & FINANCE	INSURANCE	MEDICAL & HOSPITAL	-	TOTAL DISTRIBUTION	RETAIL DISTRIBUTION	WHOLESALE DISTRIBUTION	TOTAL GOVERNMENT	FEDERAL GOVERNMENT	STATE & LOCAL GOVERNMENT	SERVICES	OTHER
Texas Direct, Inc. Inc.					\vdash	•	•		•	•				4	-	4	•
Texas Instruments Inc.	9	•	•		-		-	-	-	-				4	-	4	_
The Information Store, Inc. Theta Business Systems	-		Н		-	•	-	-	-	_	-		-	+	\dashv		•
Thomas National Group, Inc., The	0	-	H	H	\vdash				-		•			+	\dashv	•	
Thomas-Laguban & Associates, Inc.	9			\vdash	\vdash	-	\vdash		-		-	•	-	+	+	-	
Three PM Inc.	-	•			-		-			-		-		-+	-+	-	•
Ticketron, Inc.	+		Н	\vdash	\vdash					-1	-		\vdash	+		\dashv	•
TIM-Formation, Inc.	+				\vdash		•	-			•			_	_	•	•
Timberline Systems, Inc. \$10 mm 12/83	+					9			-	-	Ť		Ť	+		•	•
Time-Sharing Systems Inc.				\vdash		•		-	-	\dashv	-			-	\dashv	Ť	
Timeshare Associates	9	Ť				Ť			-	\dashv	\dashv			+	\dashv	\dashv	
Tiny Systems, Inc.	F										\dashv			1	\dashv		
Tipnis Incorporated									-	-	-				1	1	0
Tominy, Inc.				•			•	9	•	•	•	•	•			0	•
Tone Software Corporation	9			9	•		•	0	•	9			9	\neg	\neg		
Total Environmental Systems Computer Division	9			•	•				\neg	9	\neg		•	\neg	T	•	•
Touchette Corporation						•					\neg			\neg	\neg		•
Tower Systems, Inc.	0			•		9	•		•				•	T		•	•
Trac Line Computer Corp.	9	•	9								•			\Box		•	•
Traffic Data Systems, Inc. (TDS, Inc.)		•	•								9	•		\Box	\Box		•
Trail Blazer Systems Inc.				•													•
Trans Micro Systems Inc.	0			•						•				\Box	\Box	•	•
VTrans Union Corporation				•		•								\Box	\Box		9
Trans Union Credit Information Co.	•							•		9	0	•					•
Transcomm Data Systems, Inc.						0						•					•
Transportation Data Management	9	0	•	•						9	•	•					•
Transportation Management Services				0													
Tremco Consultants, Inc.										•						•	
VTRES Computer Systems, Inc. CDC	9				•	•		-		-	_			-	_		•
Triad Systems Corporation								4	_	•	•	•		4	1	•	•
Triangle Software Company	1							_	_	_	_	_		-	4	_	•
Tricad, Inc.	Ļ				_	_		_	_	_	-	_		4	1	_	•
TronCorp				•	9	9	•	•	•	•	-	-	•	1	-	•	•
Tru-Check Computer Systems, Inc.						-	-		_	•	-	_	-	-	-	•	•
			1	. 1			- 1			•	- 1		- 1				
Turnkey Distribution Systems, Inc Turnkey Information Processing Inc	+		$\overline{}$	-	-	\rightarrow	\neg	$\overline{}$		-	-	\neg	•	•	\rightarrow	=	•

INDUSTRY MARKETS COMPANY NAME	TOTAL MANUFACTURING	DISCRETE MANUFACTURING	PROCESS MANUFACTURING	TRANSPORTATION	UTILITIES	BANKING & FINANCE	INSURANCE	MEDICAL & HOSPITAL	EDUCATION	TOTAL DISTRIBUTION	RETAIL DISTRIBUTION	WHOLESALE DISTRIBUTION	TOTAL GOVERNMENT	FEDERAL GOVERNMENT	STATE & LOCAL GOVERNMENT	SERVICES	OTHER
Tymlabs Corporation	•	1		•	•	•	•	•	•	•			•			•	•
Tymshare, Inc. Pr Auto	•	•	•	•	•	•	•	•		•	•		•	•	•	•	•
U.S. Software				•	9	9	•	•	•	•			•			•	•
UCCEL Corporation			•		•											•	•
UDP, Inc.	L		L		•												•
Ulrich, Walter E. Consulting Competition		L			•	0		•								•	•
Ultimate Corp., The	•				L		9			•							•
Ultradata Corporation	1	_		L		9	_										
UNI-COLL Corporation	9	_	L	•	L_				0					•	•		•
Unicale Corporation		_	_			•	•	•	•	•			•			•	•
Unilogic, Ltd.	1_	_			<u>_</u>				_								•
United Computer Service, Inc.	1	ļ_	_		9												•
United Education & Software Data Systems Group \$ 14.	2 (1	10							9								•
United Information Services Inc	1	•		L.	•		0						•				•
United Software Systems and Services Corporation (U3S) United Telecommunications, Inc.	_		L	_		•		9		•	•	•	•		•		•
Univair Inc.	9	<u> </u>	<u> </u>	L	0	_				_							•
Universal Business Systems, Inc.	1_	_	_	_	_	<u>_</u>	9	9								•	•
Universal Information Systems Inc.	Ļ		<u> </u>	_	_	Ļ	_	Ļ		0		•				_	•
Universal Software, Inc.		-	L	0	9			•		•	_	_	•			•	•
Universal Systems Of America, Inc.		⊢	_	_	9		9			•	_	_					•
University Computing Company		_	_	-	_	_	19		Щ			_	_				•
Urban Data Processing				_	9	9	_	<u> </u>	\perp	9	_	_	•			•	•
Urban Decision Systems, Inc.	-	_		<u> </u>	9		9	L		_	•	-					•
Users Incorporated	-	-	_	L	9	9		0	_	9	•	_	•	•	•		•
Userware International		-	\vdash	-	-		-		0		-	-					•
Utility Computing Service, Inc.	0	-	-	-	0	_	Н	9	9		-	-		_	_	_	9
Uveon Computer Systems, Inc.	9	-	-	0	0	9	0	0	0	9	\dashv		_	_	•		•
Visible Systems Corporation	0		-	•	•	9	9	9		•	-	-	9		_	•	
VLSI Technology, Inc.	-	0				_	-	-	-	-	\dashv	-	9	-	_		•
VM Software, Inc.	+								9	-	\dashv	\dashv	-	-	•		-
VSE Corporation		Ť							-	\dashv	\dashv	\dashv		•	-		-
Valid Logic Systems Inc.	9								\dashv		-	\dashv	-	-			
Value Computing, Inc.	•			•	•		9	•		1	\dashv					•	9
Vantage Computer Systems, Inc.									Ť		\dashv	1				Ť	•
Vector Systems, Inc.													-				•
VenturCom Inc.	•							•	•	-	1	1	-	-			•
Vertex Systems Inc.				•	•	•			•		-	-	•	-		•	

INDUSTRY MARKETS COMPANY NAME	TOTAL MANUFACTURING	DISCRETE MANUFACTURING	PROCESS MANUFACTURING	TRANSPORTATION	-	BANKING & FINANCE	INSURANCE	MEDICAL & HOSPITAL	EDUCATION	TOTAL DISTRIBUTION	RETAIL DISTRIBUTION	WHOLESALE DISTRIBUTION	-	FEDERAL GOVERNMENT	STATE & LOCAL GOVERNMENT	-	OTHER
Vetrol Data Systems Inc.	•	L	<u> </u>	•	•	•	•		•	•			•		Ш	•	•
Via Computer, Inc.	•	•	╙	•	\vdash	•	•	•	_	•	•	•	•	•		•	•
Vidmar, Stanley Vining Sparks Securities, Inc.		•	_	1		_	<u> </u>	_	_				•	•	•		•
Vining Sparks Securities, Inc. Visible Systems Corp.	+-	-	-	-		•	-										•
Visible Systems Corp. Vision Technology Inc.	+	-	-	-		-	-		_				•	\vdash			•
Vision Technology Inc. Vista Computer, Inc.	+		0	-	-	-		-	-			H	•	\vdash	-	•	
Vista Computer, Inc.	+	۳	-	\vdash		9	۳	-	-		-		-	-	-	3	•
Vital Computer Services International, Inc.	-	\vdash		\vdash	-	•	-	\vdash	-			H		-			•
Volt Delta Resources Inc.	+	-	-	-		-	-	-	\vdash	Н	Н	Н		\vdash	H	Н	
Wachovia Corporation, The	+-	⊢	-	-	_		⊢	-	-		Н		-	Н	H	Н	•
Wachovia Services Inc.	+	╁		\vdash		•	-		•	-		Н	Н	-			•
Walker Interactive Products	-		•		•	•		-	•		Н	Н					•
Walsh, Richard M., Associates Inc.		Ť	Ť	Ť		Ť		•	•		Н	Н	•		Н	Ť	•
Warrington Associates, Inc.	+	-		-		•	-	Ť		-					Н		
Waters Business Systems, Inc.	9	-	_			0	0	9		•			•			•	9
Weidenhammer Systems Corp.		9	•							9	П				•		
Weidner Communications		9													П	•	
West Florida Data Processing						•						П					•
Western Data Corporation	1										•						9
Western Geophysical Company of America																	9
Western Union Corporation				•	•	•		9	9	0						•	•
Westinghouse Advanced Systems Technology					•												
Whelan Associates Inc.								9									•
White Hat Systems, Inc.	9	•	9														
White, Bob, Computing and Software Inc. CULLINET						•							•				•
White, Robert F. and Company	9				•	•		_		•							9
Whiteside Associates, Inc.						•			_								9
Whitesmiths, Ltd.	9			9	9	•	9	9		•			•			•	•
Wild Hare Computer Systems Inc	9				ļ.,		9	0	_	-	Ш	\square					
Wilson Systems Group	9		-		-		-	-						-		9	•
Winterhalter, Incorporated Inc. Wismer Associates, Inc.	19					9		-	-	•		•		-		•	
Wismer Associates, Inc. Wolf Data Services, Inc.	\vdash	\vdash		\vdash		•	-	-	-		•	•	-			•	9
Woodward, Ryan, Sharp and Davis		\vdash		•		•	0			9	-		•		H	•	-
Worlco Data Systems, Inc.	+		Н	-	-	-		-	-			•	-		\vdash		
World Wide Computer Services	\vdash	\vdash	-	\vdash		_	-	-	-	-	-	-			_	\vdash	
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INDUST MARKE COMPANY NAME	TOTAL MANUFACTURING	DISCRETE MANUFACTURING	PROCESS MANUFACTURING	TRANSPORTATION	UTILITIES	BANKING & FINANCE	INSURANCE	MEDICAL & HOSPITAL	EDUCATION	TOTAL DISTRIBUTION	RETAIL DISTRIBUTION	WHOLESALE DISTRIBUTION	TOTAL GOVERNMENT	FEDERAL GOVERNMENT	STATE & LOCAL GOVERNMENT	SERVICES	ОТНЕК
Worth, Auger & Associates								•							-	-	•
Wright, Louis A. & Associates	•	\vdash	1		-		Η-	-	\vdash	•	•	•	\vdash	-		┢	•
XMCO	•		\vdash	•		_			\vdash		Ť	-	•	•	•	-	•
Xenex Computer Systems, Inc.		-		_								-	Ť	-	Ť	-	•
Xerox Computer Services		0	-						•			•	-	-	•	-	•
XIDAK, Inc.	•					-			•			<u> </u>		_	Ť	-	•
Xybion Corporation			9		-	Н						-	•	•	-	-	•
Xybion Medical Systems Corporation				_	\vdash	-		9			_		Ė	-	\vdash		
Yipkon Business Systems, Inc.						0	•		•	(HI)			•				•
Zeiler-Pennock, Inc.																	0
Zeus Data Systems	•	•	•														
1040 Software, Inc.																•	•
202 Data Systems, Inc.			•		0								$\overline{}$			•	•
3M Datatrak Systems, Inc.																•	•
3M Media Services, Inc.	•											•					•
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file

32 typed and mailed 5/13 & 14, 1985 George has address list

Encl: Banking and Financial Services: The Next Decade/Authorization form

CHARGE CODE: W-MKT

May 13, 1985

Lives Mading Field Solution

Dear Mr.:

By 1989, the market for financial services will be \$11 billion to banks and financial institutions alone. Because many banks are considering entry into the Information Services Market, INPUT has prepared the enclosed Multiclient Prospectus.

We urge you to carefully consider this multiclient study as a sponsoring client for three reasons:

- o Major banks as IS vendors will be competitive threats.
- Your participation may allow you to intercept the banks strategies.
- These banks may represent opportunities for strategic partnering.

This study will provide you with a valuable and detailed view of these emerging developments.

As a sponsor you will also receive a detailed, one-day, executive briefing tailored to your specific needs.

We are asking for your participation in this project now so we can commence the research in June, 1985. I will call you the week of May 13 to discuss your involvement.

Sincerely,

George D. Hunter Principal Consultant

GDH: 1p

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Lin Cong. W (213) 450-2424 President Delas Corporation 3420/Ocean Park Boulevard Sata monica, CA 90405 Gregary J. Liemandt Chairman (214) 353-7/00 UCCEL UCCEL Domer Exchange Park blaceas, TX 75235 Jeffrey L. Walker (415) 495-8811 Chairman Shalker Interactive Products 100 mission Street San I rancisco, 64 1943 LANDINGS DRIVE, MOUNTAIN VIEW, CA 94043 GEORGE HUNTER Principal Consultant first Data highest Bill adams V.P. PO Box 25189 OK City OK 73/02



Van a. Smith (214) 699-6111 President 712606 Greenville avenue Total Rens \$54 MM (3/83) Dallas, TX 75243 CS Reve 7.5 MM Chilton Corporation Hilliam Barancik (213) 781-8221 President CISInetwork Corporation 16625 Saticing Street Van Muys, CA 91406 Stephen T. Wenn (214) 934-7000 President Computer Banguage Research, Inc 2395 Midway Road Carrolton, TX 75006 Ernest J. Poraelli (408) 980-1414 President Durnkey Systems \$20mm(6/23) - \$6mmcs DIRECT, Incorporated 4201 Burton Drine Santa Clara, CA 90554



Jom Metz President Electronic Banking Septeme 1750 N. Collins Anence Richardson, TX 75080

> (512) 346-4980 PUSS LOTTERENT Delector Inc. \$20.5 mm (12/83)

(214) 235-2165

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Precident
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Nuch Barrett
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\$\ 32 mm (12/83)



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Las angeles, CA 90024



Gary D. Bunch President Chairman

unca (405) 272-4090

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Robert E. masterson

(402) 399- 7000

President

First Data Resources Inc. 10805 South Old mill Road

Omaha, NE 68154

James S. Comphell Chairman + President

Fortune Syptems Corporation

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Redwood City, CA 94065

John J. mc menimon

President

GESCO Corporation

1455 East Show avenue

Freeno, CA 93726

(415) 595-8444 \$20.7 mm (12/23) \$3.9 @CS

(209) 224-8373



(415) 494-6111 Charles H. Calderars President Hale Systems, Inc firele Palo alto, CA 94303 -> llear Charlie Russia Streets (214) 386-0020 Chairman & CEO Sfw Hogan Aystems, Inc 5080 Spectrum drine Suite HOOE Dargas, TX 75248 (619) 452-0170 Peter Preuse President square Stegatus, Septeme Corporation Afr. \$24 mm (12/73) 10505 Sorrento Valley Road San Diego, CA 92121 (2×3) 45 Som Cuel President Precident System Corporation Street 1212 Sevence Street Santa monica, CA 90401



Rodur J. Huston Vice President Littor Computer Services 5490 Canoga avenue Thoodland Hills, CA 91367

Com GDH? done?

Ronald S. Harper President MPSI Systems force 9282 South memorial Orine Inlso, OK 74133

(913) 250-9611 \$14 mm (9/83) sow.

Marwin Deason Chairman MTech 1712 Commerce Street P.O. Box22327 Daelas, TX 75222

(214) 742-7100 puls of Mcorp.

alec D. Shiach (213) 375-1515 President marshal + Stevens Incorporated 600 South Commenwealth Suite 915 LAS angeles, CA 90005

puls of S.G.S. norte an \$16 mm 12/23) CS revs \$ 950 m



(214) 350-0913 pulo of INSU (NJ) Shielian Mc Farlin President national FSI, Inc 4501 Stest moderngbird Dellas, TX 75209 Jeffery D. Stein President & Chairman (415) 391-9555 On- Line Business Systems Inc 115 Sansome Street San Francisco, CA 94104 milton E. mohr, (213) 327-4600 Chairman & President Quotron Systems Inc. 5454 Beethowen Street Las angeles, CA 900 66 Victor Persico (415) 572-1200 President sfw. 1700 South El Camero Real P.O. Boy 5801

Son mates, CA 94402



(602) 241-4306 Ray Valour purs. Vally nationed Corp President Sun Country Frinancial Corporation 2922 North 34th Clrive Phoenix, AZ 85017 Shalter V. Smiley (501) 223-5100 Chermo CED Systematics, Onc. 4001 Rodney Parkam Road Little Rock, AR 72212 Edward J. Brennah (714) 937- 2640 Vice President / General Manager TRW Supragation Services 505 City Rankway West Sinte 9/20 Orany, CA 92668 Louis P. Buzlioli (213)277-4061 President Delecredit, Inc 1901 anewe of the Stare Las Cengeles, CA 90067

